POORNIMA WINNERS

(The Annual Magazine of Poornima College of Engineering, Jaipur)

DIGITAL TRANSFORMATION AND INNOVATION

EDITORIAL BOARD

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Editor's Note

"The distance between insanity and genius is measured only by success"

– Bruce Feirstein

It gives us great pleasure in releasing this issue of 'Winners', the College Magazine of Poornima College of Engineering. A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. Proper communication plays a vital role in Institution's development. The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. This magazine is a platform through which our students exhibit their literary skills and innovative ideas. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We are immensely thankful to the management for giving support, encouragement and a free hand in this endeavour. Last but not the least we are thankful to all the authors who have contributed their articles for the magazine. We truly hope that the pages that follow will make an interesting read. This Magazine will be a medium to provide proper acknowledgement and respect all of these efforts and its results.

Kalpana Sharma
(Editor-In-Chief)

We at Poornima believe in...

Vision

To create knowledge based society with scientific temper, team spirit and dignity of labour to face the global competitive challenges.

Mission

To evolve and develop skill based systems for effective delivery of knowledge so as to equip young professionals with dedication & commitment to excellence in all spheres of life.

Quality Policy

To provide Quality Education through faculty development, updating of facilities and continual improvement meeting university norms and keeping stake holders satisfied.

Message

I am glad to learn that Poornima College of Engineering (PCE) is bringing out 2020-2021 issue of its Annual Magazine. The PCE right since its inception in year 2000 has focused on ensuring the overall development of competences and capabilities of its students and grown into a unique institute of higher education with dynamic and outstanding faculty, innovative pedagogical practices, state-of-art infrastructure and variety of academic, extra and co-curricular activities. It is heartening to note that PCE is the First College in Rajasthan to initiate the Technical Education in Regional Language which has been launched by AICTE under NEP 2020.

Engineering and engineers in India have been a force to reckon with, and rightly so. The state of engineering and technology education in India too must change and evolve with the changing times. India has its own grand challenges whether access to healthcare, improving learning outcomes in Indian primary education, finding a cheap and sustainable replacement for plastic, improving efficiencies of the food supply chain, building a strong manufacturing economy to support livelihoods, securing our cyberspace or ensuring clean drinking water for everyone. We can no longer continue with expertise only in one traditional engineering discipline. The knowledge in these disciplines needs to converge together as multidisciplinary engineering approaches are needed to tackle the present and future challenges. Professional engineers now also require a deep understanding of culture, politics, business and entrepreneurship and partnerships with civic society and private sector so that technological solutions are actually scaled up and adopted by the society.

The post-Covid-19 world will accelerate the pace of digital transformation. To help navigate this new world, India and the world will need more engineering graduates, not less. Engineering graduates will fundamentally need different competencies and need to be educated differently: A broad-based study of interdisciplinary contemporary technologies and society, and the mindset to deal with uncertainty, to innovate, to self-reflect and to collaborate. I hope that management and faculty of PCE is well geared to deal with these challenges for engineering education.

I am sure that the magazine will provide interesting matter, encompassing and reflecting the vibrant campus life and would prove to be a good platform to showcase excellent achievements of faculty and students. I congratulate all contributors and wish excellent success to the coming issues of the magazines.

Dr. S.M. Seth
Chairman (Emeritus) Poornima Group
Former Director, NIH, Roorkee

Message

I am feel happy to be informed that Poonima College of Engineering is bringing out its annual magazine "Digital transformation and Innovation". Poornima is a place where we rejoice in excellence and attempt to transform the young generation into adults with a sense of social responsibility, human values and concern for the environment. As we welcome you, the future leaders and productive citizens of the world, I would like to stress on our mission statement of grooming young minds and hearts as the pillar of advancement of a nation and hope of the future.

I extol the ventures of the students, faculty & staff members of PCE for winsome bundling of all the previous undertakings and wish you a great success for future endeavours.

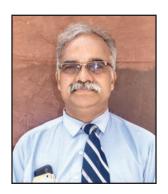**Shashikant Singhi**
Chairman, Poornima Group

Message

I am ecstatic to discover that Poornima College of Engineering is bringing out the next edition of its annual magazine – "Digital transformation and Innovation" based on the theme "Technology in Pandemic: A Success Story".

A college magazine helps record the curricular and extra-curricular excursion of the establishment and gives a chance to workforce, staff, and understudies to exhibit their ability and investigate their innovative potential.

I congratulate all contributors and wish excellent success to the coming issues of this magazine.

Ar. Rahul Singhi
Director, Poornima Group

Message

I feel immense pleasure to inform you that Poornima College of Engineering, Jaipur has brought out its Annual Magazine "Poornima Winners" on the theme "Digital Transformation and Innovation" for the session 2020-2021.

Education is the manifestation of love and my most cherished possession. Education drives away ignorance and through illumination it emboldens a man to a righteous thought and action. It empowers a woman and enlarges the horizon of her mind. It energizes a society and enables a man to earn his living with respect and praise. Hence my love for it.

I am greatly rejoiced and proudly place on record the fact that Poornima College of Engineering, the visionary dream of its founder, a humble servant of education whose little mission two decades ago to transform a small college into a big one, has unfolded into an institution of glorious past and great future.

In line with the vision and mission, we have been putting all our efforts for the betterment of the academic scenario of the institute. We believe that the education is an effective medium of social transformation. We feel encouraged, looking at bright and successful careers of our thousands of students, which subsequently benefits the society.

Poornima College of Engineering endowed with progressive futuristic outlook aims continual growth in the quality of all academic activities with a sense of commitment to fully meet the expectations of the students, parents and the society at large.

The institute cares for the individual development of each and every student. We have introduced many beyond curriculum activities such as sparing a fully day in a week for teaching and training the students on various latest technology and tools, project every semester starting from the first year etc. in order to meet the requirements of Industry and focus on skill development aspect. The teachers strive to teach not only academic concepts but also life skills needed for students' alround development.

I wish the best of fortune, peace and prosperity to all those who contribute to the noble task of spreading education and its manifest qualities, aims and objectives.

Dr. Mahesh M. Bundele
Director, Principal
Poornima College of Engineering

Message

Every student of Poornima College of Engineering is 'Good seed sown in a fertile ground' to come alive, grow and bear good fruits in good time. We need to be fruitful and bring sweetness to others' lives. In order to be fruitful it is essential to have quality education in one's life which satisfies mind, heart and soul. Very often education reaches only to the head but not to the heart. Thus, in society we have plenty of problems.

College has to be viewed as the lighthouse of society. It is a reflection of society. We must agree that fundamental changes can come in society through education only. Education is the formation ground where a nation builds its people and shapes its ideologies. In fact, the Quality of education in our college shall determine the Quality of our world tomorrow. Destiny of a man is shaped in the classroom. Poornima College is a building with four walls and tomorrow inside it. Education is a vehicle for social transformation. Besides academic excellence Poornima College of Engineering has taken the moral responsibility to provide an atmosphere for spiritual, mental and physical growth of the children. The quality education releases capacities, develops analytical abilities, confidence in oneself, will power and goal setting competencies and instils the vision that will enable the child to serve the best interests of humanity. Let our students become good seeds sown in a fertile ground of Poornima College of Engineering to bear good fruits in good time.

I am confident that Poornima College of Engineering, will always be a beacon of light guiding the destiny of its students, while radiating kindness and compassion as it soars high in its pursuit of academic excellence and fulfilment of the school motto "Jai Jai Jai Poornima Sansthan"

As I hold the responsibility of this College as Vice - Principal, I appeal to all the parents to co-operate and support me in leading the college to reach the pinnacle of all glory & success.

May God bless all our teaching and non teaching staff, students and parents.

Pankaj Dhemla
Vice Principal
Poornima College of Engineering

Poornima College of Engineering, Jaipur

A CEREBRAL PLATFORM IMPARTING TECHNICAL EDUCATION

Poornima College of Engineering (PCE) has been practicing superior standards of education since its inception in the year 2000. Ever since the inception, the college has maintained its eminence as a leading Engineering college in Rajasthan and is ranked the second position among all the technical colleges in Rajasthan. The college is the most sought-after engineering college by the applicants of Engineering degree programs in the state. PCE is moving ahead successfully to attain its vision mission to transform students into high quality engineers and managers who may also enrich the society by their adherence to ethical culture and human values and sense of service to the society and nation. PCE came into existence with the aim of promoting quality in professional & technical education in Jaipur, Rajasthan.

Poornima College of Engineering is promoted by Shanti Education Society (SES) which came into existence in the year 1999 by registering under Rajasthan Societies Act. The Founder Chairman of SES is Shri. Manohar Lal Singhi Founder Vice Chairman is Late Shri Arun Chandra Singhi. The main objective of SES is to promote Technical & Professional Education in the state of Rajasthan with state of art infrastructure and strong academic philosophy. Its secretary, Ar. Shashikant Singhi, who has been a noted practitioner of Architecture and technocrat of repute, presently manages Society and its constituent institutions. Other members of the society are well known professionals.

Poornima College of Engineering has a very strong research orientation and culture. What sets apart Poornima College of Engineering from other colleges in Jaipur, is, its commitment to high quality and industry recognized delivery of education. Ensuring cultural and social enrichment of its students, PCE successfully tops the list of the top institutes in Jaipur.

Poornima brand symbolizes excellence through innovations, reliability, transparency and professionalism of highest order and instils faith and confidence among all members concerned in India and abroad.

PCE AT A GLANCE:

- The Legacy of Poornima Foundation as a renowned affiliated Technical Institution all over Rajasthan was built up in the area more than 3.5 lakh square feet.
- Approved by AICTE, Ministry of HRD, and Govt. of India and affiliated to Rajasthan Technical University, Kota.
- Successfully running M.Tech in CSE and VLSI.
- The most preferred Engineering College with maximum admissions.
- Natural surrounding with lush green campus imbibing serene ambience.
- Providing live industrial exposure through industrial visits, life projects, industry institute interaction and funding projects.
- Promote research and development activities in the institution through research and development labs.
- Quality enhancement in engineering education (direct to students) and the national mission on education through ICT (direct to faculty) as an authorized remote center (1107). Successfully executing two MHRD missions.
- Successfully running 15th Indian Institute of Remote Sensing (IIRS) outreach programmers of Government of India.
- Catering the needs of Technical boarding engineers house training programs on PLC, Micro-controller, embedded systems, robotics, java, etc. are given to the students.
- Training to faculty members is given through mission 10x and other training programs.
- To spread the knowledge among students and faculty members research and training as well as extension activities are done.
- Inculcating scientific temper through practicing an ethical, moral and value education.
- To explore Global opportunities in the USA it has collaboration with universities of Illinois, Chicago.
- Striving to achieve and develop skills of Engineering through application of enabling Technologies and dissemination of state of the art knowledge.

- With the work culture of effective theoretical and the practical knowledge imparting effective training to engineering undergraduates is done.
- Organizes extra-curricular activities and co-curricular activities like Aarohan, Aadhar, and Prayogam etc. from time to time in order to boost up the morale of the students.
- All modern accessories required with modern amenities symbolizing excellence so initiative, reliability, transparency quality and professionalism of the highest degree.
- Designated as centre of excellence by IBM the only institution permitted by RTU to admit foreign Nation\person of Indian Origin\gulf students.
- In Association with IEEE, ISTE, IE (I), ISLE, ISHRAE are multiple innovative learning practical based regular programs.
- 36 students' project sponsored by DST, govt. of Rajasthan.
- Cracking exams like TOEFL\GRE\GMAT\CAT and other competitive exams are done by students.
- Grooming and enhancing the personalities of students for multifaceted orientation programmers like Poornima Professional Skills and knowledge enhancement program, Poornima employability enhancement mission etc.
- Encouraging women empowerment under the leadership of women in Science and Engineering (WISE) and Poornima Women Welfare Association (PWWA).
- A Wi-Fi campus with Internet facility for students and faculty members.
- Social welfare activities like blood donation, helping hand to poor, raising funds for flood victims etc. through societies and clubs as a part of regular academics are conducted.
- For students and faculty members, an expanded transportation facility for all corners of Jaipur is given.
- Non-syllabus projects and seminars for practical knowledge and implementation from 1st year onwards are organized.
- The magnificent central library has a rich collection of 44146 volumes of books with 9586 titles, 34 national and 30 international journals and 46 magazines and 110 periodicals magazines along with other reading materials and online subscription and membership of IEEE, IEI, DELNET.
- Anti-ragging squad, mentorship and tutorship providing a secure teaching environment.

- College has tie-ups with Infosys as an advanced partner institute for campus connect program for better knowledge and academic development.
- Equipped with a digital English communication lab for better communication skills and improvement.
- Incentive scheme to raise the level of morale of faculty and staff members as per the academic results and performances.
- Self Help Groups (SHG's) to improve question answering skills of weaker students and to make the group a high achievers group.
- Multi cuisines cafeteria and mess providing better food and services.
- Fostering, creating and promoting the spirit of entrepreneurship through Entrepreneurship Development Cell.
- Comprehensive and advanced information on various diseases and health related issues.
- Mentorship program to interact with seniors and to learn from their experience and knowledge.
- Providing recreational and sports facilities for the better health and mind of the students.
- Running various societies-ISHRAE, ASHRAE and various clubs-literary club, awareness club, green energy club etc.

ACCREDITATIONS AWARDS & RANKING

RANKED 2nd by RTU	ACCREDITED BY NBA
RATED GOLD BY AICTE & CII	CENTRAL OF EXCELLENCE IN AI & BIG DATA
More than 50 Lakh Grant	AMONG ELITE GROUP TOP 100 IN INDIA

INTAKE AT PCE

Poornima College of Engineering is committed to build a diverse and inclusive academic culture that fosters creativity, risk-taking, continuous improvement, leadership and entrepreneurial spirit. The notion of lifelong learning through effective delivery of high quality content by qualified pedagogy is induced by us. Students in PCE are exposed to the modern and up to date curriculum and contemporary development in various disciplines. College is flourishing in terms of quality and quantity making the budding engineers more advanced and learned through efficiency better in academics and non-academics. The intake at PCE is as follows:

B. TECH I Year Session 2020-21

S.No.	Branch	Intake
1.	Artificial Intelligence & Data Science	60
2.	Computer Science & Engineering	180
3.	Computer Sci. & Engg. (Artificial Intelligence)	60
4.	Computer Sci. & Engg. (Cyber Security)	60
5.	संगणक विज्ञान एवं अभियांत्रिकी	60
6.	Civil Engineering	60
7.	Electrical Engineering	30
8.	Elec. & Comm. Engineering	30
9.	Information Technology	60
10.	Mechanical Engineering	30

RTU Merits 2020-21

MRIGANKA MATHUR
Electrical Engineering
RTU Merit No. 5

SHIVAM PANERI
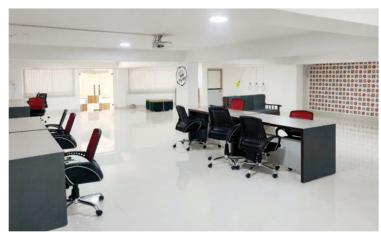Mechanical Engineering
RTU Merit No. 8

NITISHA JAIN
Computer Engineering
RTU Merit No. 9

RTU CENTER OF EXCELLENCE IN AI & BIG DATA

Vision: To be the leading research institute in the Area of AI & Big Data in the state of Rajasthan and upliftment of other institutions and their stakeholders.

Objectives of setting up RTU COE in AI & Big Data:

*   To impart knowledge about AI & Big Data to the students and the faculty from the institutions across Rajasthan.
*   To make the resources available to advanced learners and researchers for developing solution to any societal, industrial and environmental applications using AI & Big Data.
*   To create project based learning environment in and around the institute across the state of Rajasthan.
*   To continually upgrade and update the resources as per advancements in AI & Big Data.

PROJECTS
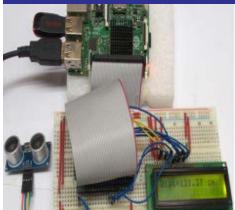
pi-camera	Obstacle Detection	Smart Irrigation System

ANECDOTES OF PCE

- 2nd ranked in Rajasthan by the RTU- Quality Index Value -2020-21
- In Times Engineering Survey 108th rank in All India Engineering Institute Rankings 2021
- In Times Engineering Survey 98th rank in All India Private Engineering Institute Rankings 2021
- Only institute in Rajasthan which has certified Centre of Excellence by the Rajasthan Technical University in Artificial Intelligence and Data Sciences
- NBA Accredited Institution
- RTU TEQIP III funded activities worth More than 50 lakh Rupees.
- AICTE funded MODROB, STTP and Conferences worth more than 50 lakh Rupees during last two years.
- DST and SERB sponsored student projects and faculty research projects.
- Collaboration with Bennett University under Newton Bhabha U. Project in AI and Deep Learning Applications for healthcare and agriculture.
- Organizing IEEE, ACM, Elsevier and Springer International Conferences every year and International Workshops and Seminars.
- More than 25 Patents are published and 5 patents are granted in last two years.
- Highest placement numbers and the package amongst RTU affiliated colleges.
- More than 200 research papers are published by students and faculty members in last two years in national and international journals and conferences which are UGC, SCOPUS, SCI and ESCI reputed.
- More than 150 Microsoft Courses are completed by the students and the faculty members of the PCE.
- Students and Faculties are enrolled in Coursera science 2019 in which more than 50,000 hours spend on this MOOC Platform, in this duration More than 1 lakh lessons have been taken and 7000 courses are completed. All the courses are offered by world's top Universities and companies which includes the name Google, IBM, Autodesk, AWS, University of Michigan, Duke University, University of Manchester, and University of Washington etc.
- Poornima Incubation and Innovation Centre (PIIC) to promote the spirit of start-ups.
- Strong bonding with industries and corporate sector through collaboration and tie-ups.
- Awarded as Advance Partner Institute by Infosys for successfully running campus connect programme & outstation performance of students in Infosys placement drives.
- Industry collaborated certification programs under IBM Career Education Programme in Cloud, Business Intelligence, IoT and Red hat Academy.
- Running MHRD missions on Quality Enhancement in Engineering Education, On Education through ICT in collaboration with IIT Bombay, IIT Madras and IIT Kharagpur.
- Pre-defined focus areas in the departments in line with Industry requirements.
- Beyond curriculum content delivery in terms of Non-syllabus projects, seminars, trainings on future and industry needed technologies, English and Aptitude enhancement etc.
- Mandatory project every semester right from first year.
- Students participates and won the prizes in all most reputed Hackathons at National levels such as TOYCATHON 2021by AICTE, RTU hackathon 2021, etc.
- Number of Student Clubs such as Automobile, Udaan, Zircon etc by organizing large number of activities to develop hard and soft skills.
- Professional Society Chapters such as IEEE, ACM, IETE, IS/E, ISTE, IEI, IETE, CSI, ISHRAE, IGBC, ASHRAE, SAE, etc. for promoting student driven activities.
- PCE IETE Students Forum is recognized as Most Active ISF by IETE Rajasthan Centre, Jaipur.
- Networking with AIESEC and Global Reach to study, do International Internships and work abroad.
- Students training at top notch organizations such as BARC, ISRO, ONGC, Nagarro, Jaipur Metro, Bosch, Siemens, HC/, /&T, B / Kashyap & Sons /td etc.
- Encouraging women empowerment through WISE, PWWA, and ACM-W.
- Regular participation and winning prizes, in various events & tech fests hosted by IITs, NITs & other top notch institutions of India
- Regular coaching for Basketball, Volleyball and encouragement to participate in sports activities in various parts of country.
- More than 25 MOU (Memorandum of Understanding) in various technical fields for growth of students and faculty members in terms of academic, research, placements and personality growth.

INITIATIVES AND BENCHMARKS AT PCE

CENTRAL LIBRARY:

The Central Library is the most resourceful information Centre in the field of Engineering Education. The library at PCE has the largest collection of books, scientific journals, monthly periodicals, institute memberships and other related materials in the field of Engineering.

As the role of the Library within any academic institution can be realized only in the context of the institution's philosophy of education, the basic objectives of the Library are as follows:

To develop appropriate collections in various disciplines of Engineering for satisfying the needs of the students, faculty members and researchers.

To provide reading, lending, reference, information and documentation facilities to all categories of staff and students.

To develop a special collection of scientific journals, periodicals and magazines in the library.

To provide documentation and comprehensive reference/information services in areas related to engineering education in the world and in India in particular.

The library of PCE is a vast reservoir of knowledge contained in the astonishing number of books which is well organized as well as bar-coded for the comfort of the librarian, students and faculty members. The Sharp software package is used in the library of PCE for supporting all the in-house operations of PCE. It is well connected with the other AICTE approved Institutions, located all over India, through DELNET for resource sharing. E-publications (books, journals etc. can also be accessed through DELNET) by all users of PGC library. The smart Campus consists of modules on acquisition, cataloguing, circulation, serials, article indexing and OPAC. 14 CCTV cameras are installed for security purpose.

The Central Library is housed in an independent, two-storied building with an area of 1350 sqm.

OPAC Search:

Online public Access Catalogue (OPAC) is helpful in locating a book in the library. One can search book by author, title, subject wise through OPAC. Library books are classified by using a standard library classification scheme named Dewey Decimal Classification (DDC) scheme and all books are arranged subject wise in the rack. Journals\magazines are displayed in alphabetical order in reference section.

VARIOUS SERVICES OFFERED BY LIBRARY:

- Borrowing facility
- OPAC Search
- Interlibrary loan
- E-library
- Employment news
- Project reports
- Display of new arrivals
- National/Internationals Journals/Magazines
- Newspaper clipping service
- RTU papers/ Mid-term papers
- Research papers
- Reading room facility
- DELNET facility
- Online journals service
- Reference service
- E-publications
- CD's /DVD's
- New arrivals

STATISTICS LIBRARY

S. No.	Library Statistics	Total
1.	Total No. of Titles	6,704
2.	Total No. of Volume	46,121
3.	Total No. of Periodicals	110
a.	Total No. of International Journals	30
b.	Total No. of National Journals	35
c.	Total No. of Magazines	45
4.	Total No. of Other Collections	2,081
a.	Books CDs/ DVDs	1,426
b.	Magazines CDs/ DVDs	655
5.	Project Reports (Lab Records)	2,333
6.	Reprints (Research Papers Received from DELNET)	397
7.	News Papers (Hindi 7 + English 6)	13
8.	Bound Journals	749

RESEARCH AND DEVELOPMENT LAB:

The purpose of Research and Development lab is to provide facilities with ample of equipment and upgraded technologies. It is the part of academics which is generally used: -

- To enhance the students and faculty members with latest advancements in technological areas to furnish the engineering education with various research orientation which helps in achieving the technical needs of the industry
- To furnish the students in the field of research and development activities
- To do engineering consultancy with latest research and innovative ideas

INDUSTRY ACADEMIA INTERFACE:

As our commitment towards the industry, PCE strives to set a very high standard for all stake holders. The globally relevant best practices are being adopted to create a continuous stream of future student leaders, continuously improving upon the past. By learning and understanding the industry needs and requirements, we have developed a deep insight which helps and guides us to make our students industry ready. It is considered as one of the skilful methods of teaching which is a part of college curriculum as well. College also organizes different industrial visits, seminars and workshops etc in order to see their students at the Pinnacle of success. This gives a student an opportunity to know about the working environment of a company and to know the useful information related to practical aspects which cannot be visualized by lectures.

International Student and Study Abroad Centre SD GOALS Internship:

AIESEC Jaipur is currently promoting the project World view to target major issues and problems of Indian society, especially according to the students of everyday life. The United Nations has set out global goals from 2015 to 2030 to create awareness to major problems in this world. Major issues are for example Quality Education, Gender Equality and Health and Well Being. India is on the edge to rise into the next level of Wealth and Economic Power as a developing Country, especially in Asia.

"Sharing with the leaders of tomorrow the dreams and Goals they want to achieve, would lead the progress in the future for peace and harmony."

Poornima College of Engineering with AIESEC Interns wants to raise awareness among the major issues. Another part of this internship is also to improve English speaking skills of the students by participating in group activities as well as interactive sessions and discussions.

PEEM (Poornima Employability Enhancement Mission):

PEEM was introduced in Poornima Group in academic session of 2013 to 2014 to prepare the budding technocrats for facing the challenges during cracking job interviews. It aims to make the students self-confident and successful in placement to conduction of GD/PI, quantitative aptitude, logical and reasoning, written and spoken English test etc. It focuses on students to make them endowed to face hardships of competitive examination. PEEM is an initiative of its kind and this is another unique feature which distinguishes Poornima Foundation from rest of the educational institutions.

SELF HELP GROUPS:

The self-help group formation was started with the objective of improving the learning and teaching strategies through education, practice, feedback, and coaching including analysis, modelling, demonstration and discussion etc. Self-help groups give members an opportunity to discuss their experiences and share their thoughts, their feelings and recovery. The basic aim behind this program is to create a friendly atmosphere and environment to learn and become academically strong. Many of the benefits of self-help group is to come in the form of hope, support, education and to provide helping hands to all.

TUTOR SYSTEM:

The tutor system of PCE creates learning and assessment opportunities. The tutor system has also been an excellent preventive tool capable of positively changing driving behaviours in terms of academics and non-academics. It is a system in which tutor performs the combined role of a friend, philosopher and guide for the student under his or her tutorship. The responsibility of the role includes both admonishing as well as caressing.

MENTORSHIP:

A mentor is responsible for conduction of discipline and maintenance of happy environment in hostels. Mentorship is an intensive concept of hostels at Poornima to answer to all needs of fresher in which new comers are paired with seniors who guide and advise them through their personal experience. The Junior are free to share their experience with their mentors. The area of activities under mentorship program encircles around academics, sports, cultural and overall development of personalities. Mentorship got initiated in the year 2002 and every year the session marks its end with the conduction of annual mentorship summit.

OPEN BOOK TEST:

Open book test was launched by Poornima College of Engineering, Jaipur in the year 2009 with a vision to manifest the innate potential of students. It aims promoting and fulfilling the technical and nontechnical needs of students. Open book test emphasizes on renovating the true meaning of the word education for both teachers and students. It has a tremendous impact on promoting the right mental sets in both learning and teaching.

TRANSPORT FACILITY:

Transportation system of Poornima College of Engineering Jaipur has its own features dealing with all conveniences in terms of to and fro. Transportation has the facility to pick and drop faculty and staff members to every corner of Jaipur. The transport facility always remains available for industrial training and for other various conduction and emergency. There are well coordinated and regular services throughout the year there is a separate bus for staff and students.

TRAINING AND PLACEMENT CELL:

Training and Placement at PCE is committed to provide successful future and better placement opportunities for the students. It centrally handles all aspects of campus placement for the graduating students of all departments. It feeds us with technical confidence which may remain aloof from the crowd. It arranges training for students in industries. The students of all engineering departments undergo rigorous training to enhance their internal professional skills.

The Training and Placement Cell of Poornima College of Engineering, Jaipur has arranged the visits of various National and international companies for the placement of its students. Training leads to helping hand for answering technical questions of the interviews. We get an opportunity to interact and share ideas with different people. Information of practical importance is exchanged here.

Ms. Aanchal Asnani
Batch of 2023, Computer Engg.
Selected in Flipkart for Internship @ **INR 1 LPM**
Opportunity facilitated by Office of Training & Placement, Poornima Group

The list of placements in various companies is mentioned below:

Name of Student	Branch	Company
KUMAR KAUTUK	CS	Infosys InfyTQ (5 LPA)
MOHIT ARORA	CS	Infosys InfyTQ (3.6 LPA)
NISHA AGARWAL	CS	Infosys InfyTQ (3.6 LPA)
SANKET AGARWAL	CS	Infosys InfyTQ (8 LPA)
TANUJ SHARMA	CS	Infosys (Campus) (Phase-II) (5 LPA)
UTKARSH SHRINGI	CS	Infosys InfyTQ (3.6 LPA)
LOVELY JAIN	IT	Infosys InfyTQ (8 LPA)
KULDEEP TAILOR	CS	Infosys HackWithInfy (8 LPA)
AAKANSHA KOWERJANI	CS	TCS CodeVita (3.6 LPA)
DEVAL SETHI	CS	Infosys HackWithInfy (5 LPA)
DIWAKAR VASHISHT	CS	Infosys HackWithInfy (5 LPA)
MUDIT CHOPRA	CS	Infosys HackWithInfy (5 LPA)
HARSHIT DWIVEDI	CS	Infosys HackWithInfy (5 LPA)
RIYA RELWANI	CS	Infosys HackWithInfy (3.6 LPA)
TANUJ MATHUR	CS	Infosys HackWithInfy (5 LPA)
VITTHAL PATIDAR	CS	Infosys HackWithInfy (5 LPA)
HARSH SHARMA	CS	TCS CodeVita (3.6 LPA)
AYUSH AGARWAL	ECE	TCS CodeVita (3.6 LPA)
GORANG KHANDELWAL	IT	TCS CodeVita (3.6 LPA)
GAURAV BHARDWAJ	IT	TCS CodeVita (3.6 LPA)
SPARSH AGRAWAL	EE	Infosys HackWithInfy (3.6 LPA)
SHREYA MATHUR	ECE	Hike Education (5.4 LPA)
ARCHIT JINDAL	CS	Verzeo (Internship + Full Time) (4 LPA to 6 LPA)
TUSHAR SHARMA	CS	Verzeo (Internship + Full Time) (4 LPA to 6 LPA)
RASHI BANSAL	CS	In Time Tec (4.5 LPA to 5.5 LPA)

Name of Student	Branch	Company
AMULYA JAIN	IT	In Time Tec (4.5 LPA to 5.5 LPA)
DISHA CHAUBEY	IT	In Time Tec (4.5 LPA to 5.5 LPA)
HARSH BHARDWAJ	CS	Unthinkable Solutions (4 LPA to 5 LPA)
SHAILENDRA KUMAR SAINI	CS	Unthinkable Solutions (4 LPA to 5 LPA)
SRISHTI GUPTA	CS	Unthinkable Solutions (4 LPA to 5 LPA)
DEEPANSHU CHOUDHARY	CS	Synoriq (3 LPA to 3.7 LPA)
JAYNIFER JAIN	CS	Synoriq (3 LPA to 3.7 LPA)
SHREYA AGRAWAL	CS	Synoriq (3 LPA to 3.7 LPA)
GAURAV SOMANI	CS	Celebal (4.5 LPA)
PRABAL SURANA	CS	Celebal PPO (5.1 LPA)
YASHWANT SINGH SHEKHAWAT	CS	Celebal PPO (4.5 LPA)
MUSKAN GUPTA	CS	Xenon Stack (4.5 LPA
SUMIT KATHER	CS	Xenon Stack (4.5 LPA
NIKHIL SHARMA	IT	Xenon Stack (4.5 LPA
SIDDHARTH CHOUDHARY	IT	Capgemini (3.8 LPA)
ABHISHEK KUMAR	CS	Capgemini (3.8 LPA)
ANCHAL DAGUR	CS	Capgemini (3.8 LPA)
ANKUSH POKHARNA	CS	Capgemini (3.8 LPA)
ANUSHKA TIWARI	CS	Capgemini (3.8 LPA)
ARYA SINHA	CS	Capgemini (3.8 LPA)
ARYAN PORWAL	CS	Capgemini (3.8 LPA)
AYUSHI OSWAL	CS	Capgemini (3.8 LPA)
CHARVI SHARMA	CS	Capgemini (3.8 LPA)
DEVAM TRIPATHI	CS	Capgemini (3.8 LPA)
ISHITA AGARWAL	CS	Capgemini (3.8 LPA)
POOJA AMETA	CS	Capgemini (3.8 LPA)
PRANAY SINGHAL	CS	Capgemini (3.8 LPA)
RIDDHIM GUPTA	CS	Capgemini (3.8 LPA)
ABHISHEK SHARMA	CS	Capgemini (3.8 LPA)
MAHIMA NATANI	CS	Capgemini (3.8 LPA)
RAGHAV SOMANI	CS	Capgemini (3.8 LPA)
SAYYAM TAMBOLI	IT	Capgemini (3.8 LPA)
KARTIK AGRAWAL	IT	Infosys HackWithInfy (5 LPA)
AKSHITA JAIN	IT	Evosys (3.2 LPA)
ALFAIJ MANSURI	CS	ATCS (4 LPA)
HARSHITA BANWANI	CS	ATCS (4 LPA)
ISHITA SHARMA	CS	ATCS (4 LPA)
JAGRATI KHATRI	CS	ATCS (4 LPA)
MOHIT AGARWAL	CS	ATCS (4 LPA)
PRIYANSHI MATHUR	CS	ATCS (4 LPA)
RISHABH JAIN	CS	ATCS (4 LPA)
SAMYAK JAIN	CS	ATCS (4 LPA)

Name of Student	Branch	Company
NISTHA CHANDALIYA	ECE	3A IP (3 LPA)
AYUSH JHA	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
GUNJAN GUPTA	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
SAHASTRA GUNI GARG	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
TANU SHARMA	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
TAVISH SHARMA	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
VAIBHAV BAKLIWAL	CS	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
ITISHA YADAV	IT	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
KRATI JAIN	CS	Atrium Insight (6 LPA)
SHIVANI SINHA	CS	Atrium Insight (6 LPA)
AKSHAT PAREEK	CS	Cognizant GenC (4 LPA)
ANUBHAV SRIVASTAVA	CS	Cognizant GenC (4 LPA)
DIVYA VERMA	CS	Cognizant GenC (4 LPA)
HIMANSHU GARG	CS	Cognizant GenC (4 LPA)
HARSHITA GARG	CS	Cognizant GenC (4 LPA)
ISHIKA SINGHAL	CS	Cognizant GenC (4 LPA)
MOULSHREE BHUTRA	CS	Cognizant GenC (4 LPA)
PRAYAS SHRIVASTAVA	CS	Cognizant GenC (4 LPA)
RACHIT DHAR	CS	Cognizant GenC (4 LPA)
SONAL GUPTA	CS	Cognizant GenC (4 LPA)
NANDAN WEWHARE	CS	Cognizant GenC (4 LPA)
SAUMYA PANDEY	CS	Cognizant GenC (4 LPA)
TARUN SHARMA	CS	Cognizant GenC (4 LPA)
VARUN KUMAR SHARMA	CS	Cognizant GenC (4 LPA)
YOGESH SINGH	CS	Cognizant GenC (4 LPA)
NAVEEN	ECE	Cognizant GenC (4 LPA)
PRACHI MATHUR	ECE	Cognizant GenC (4 LPA)
ROHIT	IT	Cognizant GenC (4 LPA)
AADIT PATHAK	IT	Cognizant GenC (4 LPA)
KESHAV GOYAL	IT	Cognizant GenC (4 LPA)
LEKHA TIWARI	ME	Cognizant GenC (4 LPA)
ABDUL HAKEEM QUAZI	CS	Adnate (3.5 LPA)
ADITYA PRANSHU SHARMA	CS	TCS (NQT) (3.8 LPA)
ALFAZ KHAN	CS	TCS (NQT) (3.8 LPA)
BHAVESH MATHUR	CS	TCS (NQT) (3.8 LPA)
HEMANT SHARMA	CS	TCS (NQT) (3.8 LPA)
JAYESH KUMAR AGRAWAL	CS	TCS (NQT) (3.8 LPA)
KHUSHBOO JAIN	CS	TCS (NQT) (3.8 LPA)
MAYANK JAIN	CS	TCS (NQT) (3.8 LPA)
SAKSHI SEWANI	CS	TCS (NQT) (3.8 LPA)
SANIYA KUMAWAT	CS	TCS (NQT) (3.8 LPA)
VIJAY SINGH SHEKHAWAT	CS	TCS (NQT) (3.8 LPA)

Name of Student	Branch	Company
VIKAS KUMAR SHARMA	CS	TCS (NQT) (3.8 LPA)
VIPUL GOYAL	CS	TCS (NQT) (3.8 LPA)
YUGANT SHEKHAR	CS	TCS (NQT) (3.8 LPA)
LALIT KUMAR JARWAL	CS	TCS (NQT) (3.8 LPA)
ADHAAR SAXENA	ECE	TCS (NQT) (3.8 LPA)
ADITI CHOUDHARY	ECE	TCS (NQT) (3.8 LPA)
ANJALI GODHWANI	IT	TCS (NQT) (3.8 LPA)
JAYANT SINGH	IT	TCS (NQT) (3.8 LPA)
SIDDHARTH NOLKHA	IT	TCS (NQT) (3.8 LPA)
VISHAL GANGWAL	IT	TCS (NQT) (3.8 LPA)
KUSHAL SAXENA	CS	Appcino Technologies (3 LPA)
AASHISH SINGHAL	CS	Celebal Phase-II (4.5 LPA)
ADITYA SHARMA	CS	Celebal Phase-II (4.5 LPA)
ASHWARYA SHARMA	CS	Verzeo (Internship + PPO) (4 LPA to 6 LPA)
VAIBHAV TRIVEDI	EE	Verzeo (Internship + PPO) (4 LPA to 6 LPA)
MAYANK GUPTA	ME	Verzeo (Internship + PPO) (4 LPA to 6 LPA)
GIRISH KUMAR GUPTA	ME	Verzeo (Internship + PPO) (4 LPA to 6 LPA)
ANKIT SHARMA	CS	Celebal (Internship) Phase-I (4.5 LPA)
ADITI KUMARI	CS	Celebal (Internship) Phase-I (4.5 LPA)
TANISHA AGRAWAL	CS	Celebal (Internship) Phase-I (4.5 LPA)
DUSHYANT SAINI	ME	Elektrolites (Stipend - 11,000/- Month)
RAHUL KUMAR BOHRA	ME	Elektrolites (Stipend - 11,000/- Month)
KARTIK SINGH	CS	Circulants (3 LPA to 5 LPA)
ABHISHEK KUMAWAT	CIVIL	Congruex Asia (2.75 LPA)
AJAYRAJ MEENA	CIVIL	Congruex Asia (2.75 LPA)
DIGVIJAY SOLANKI	CIVIL	Congruex Asia (2.75 LPA)
DIPESH ALORIA	CIVIL	Congruex Asia (2.75 LPA)
DIVYA RASTOGI	CIVIL	Congruex Asia (2.75 LPA)
MANSI AGARWALLA	CIVIL	Congruex Asia (2.75 LPA)
MOHIT CHOUDHARY	CIVIL	Congruex Asia (2.75 LPA)
YASH GHARU	CIVIL	Congruex Asia (2.75 LPA)
ANCHAL BANGAR	ECE	Congruex Asia (2.75 LPA)
ANKIT MANDOWARA	ECE	Congruex Asia (2.75 LPA)
ISHITA SHIVRAN	ECE	Congruex Asia (2.75 LPA)
AADIL KHAN	EE	Congruex Asia (2.75 LPA)
NITISH CHAUHAN	EE	Congruex Asia (2.75 LPA)
SAGAR SAHARIYA	EE	Congruex Asia (2.75 LPA)
SHUBHANG AGARWAL	EE	Congruex Asia (2.75 LPA)
ADITYA SINGH RAJAWAT	ME	Congruex Asia (2.75 LPA)
AMAN BHARDWAJ	ME	Congruex Asia (2.75 LPA)
ANURAG AGRAWAL	ME	Congruex Asia (2.75 LPA)
BHASKAR SHARMA	ME	Congruex Asia (2.75 LPA)

Name of Student	Branch	Company
LAKSHYA SAPRA	ME	Congruex Asia (2.75 LPA)
LALIT SINGH	ME	Congruex Asia (2.75 LPA)
VEDENDRA NATH MISHRA	ME	Congruex Asia (2.75 LPA)
YASH KUMAWAT	ME	Congruex Asia (2.75 LPA)
VARUN MEHRA	CIVIL	Congruex Asia (2.75 LPA)
SATYA PRAKASH SINGH	CS	Appinventiv (3.6 LPA to 4.2 LPA)
SIDDHARTH PAREEK	CS	Byju's (10 LPA)
PRATEEK KASHYAP	ECE	Byju's (10 LPA)
NIKHIL AGARWAL	ECE	Byju's (10 LPA)
SHREYANSH VIJAY	EE	Byju's (10 LPA)
Jay pachauri	IT	Byju's (10 LPA)
RISHABH AGRAWAL	CS	Activant Solution (1.9 LPA to 2.4 LPA)
AMAN SHARMA	ECE	Activant Solution (1.9 LPA to 2.4 LPA)
SHREYASH DADHICH	ECE	Activant Solution (1.9 LPA to 2.4 LPA)
SOURAV JAMES	EE	Activant Solution (1.9 LPA to 2.4 LPA)
GOVIND SHARMA	CS	eInfochips (3.6 LPA)
HARSHA TEJWANI	CS	eInfochips (3.6 LPA)
SHUBHAM JAIN	CS	eInfochips (3.6 LPA)
KUNAL SINGH RANAWAT	ECE	eInfochips (3.6 LPA)
RIDHIMA KHANDELWAL	IT	eInfochips (3.6 LPA)
ANSHUL SINGH CHOUHAN	IT	Schoollog (3 LPA to 3.6 LPA)
MADHU YADAV	CIVIL	Swiflearn (4 LPA)
KARAN SINGH BHATI	CS	Swiflearn (4 LPA)
KRISHNA YUVRAJ SINGH PALAWAT	CS	Swiflearn (4 LPA)
SHREYA MATHUR	ECE	Swiflearn (4 LPA)
NARAYAN SINGH	EE	Swiflearn (4 LPA)
NAVEEN SINGH CHOUHAN	EE	Swiflearn (4 LPA)
PRANAV PRATAP	EE	Swiflearn (4 LPA)
SHITANSHU YADAV	EE	Swiflearn (4 LPA)
SIDDHANT AWASTHI	EE	Swiflearn (4 LPA)
SUMER	EE	Swiflearn (4 LPA)
ASHEER UL HAMEED	ME	Swiflearn (4 LPA)
HARSH RAJ	ME	Swiflearn (4 LPA)
NARESH	ME	Swiflearn (4 LPA)
SHYAN WASI	ME	Swiflearn (4 LPA)
YASH AVASTHI	ME	Swiflearn (4 LPA)
PIYUSH TIWARI	ME	Swiflearn (4 LPA)
MADHUR JAIN	CS	Big Step (4 LPA to 6 LPA)
PRAVEEN KUMAR DAKUA	CS	Big Step (4 LPA to 6 LPA)
HAFIZA CHHIPA	CS	Big Step (4 LPA to 6 LPA)
TRINAL DEV SHARMA	EE	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
SHASHI MISHRA	IT	Infosys (Campus Drive) (Phase-I) (3.6 LPA)

Name of Student	Branch	Company
PRAKHAR TOLAMBIA	ME	Infosys (Campus Drive) (Phase-I) (3.6 LPA)
Dhruv trivedi	ECE	Just Dial (2.16 LPA)
NISHANT KUMAR	ECE	Just Dial (2.16 LPA)
ANKIT SHARMA	EE	Just Dial (2.16 LPA)
SUNIL KUMAR MEENA	EE	Just Dial (2.16 LPA)
PRATEEK SINGH	EE	Polycab (3.25 LPA)
BHUPENDRA SINGH SHEKHAWAT	ME	Polycab (3.25 LPA)
UTSAV TIWARI	CS	Zucol Services (LocusRags) (1.8 LPA to 2.4 LPA)
YUKTI JAIN	CS	Zucol Services (LocusRags) (1.8 LPA to 2.4 LPA)
ANCHAL BOHRA	ECE	Zucol Services (LocusRags) (1.8 LPA to 2.4 LPA)
ARVIND SINGH	ECE	Zucol Services (LocusRags) (1.8 LPA to 2.4 LPA)
VISHESHA UPADHYAY	ECE	Zucol Services (LocusRags) (1.8 LPA to 2.4 LPA)
GUDDI SHARMA	CS	Outdo India (1.50 LPA)
ABHIMANYU	ECE	Outdo India (1.8 LPA)
AMAN AGARWAL	ECE	Outdo India (1.68 LPA)
PRATIKSHA SAHU	ECE	Outdo India (1.8 LPA)
SRISHTI MEENA	ECE	Outdo India (1.8 LPA)
AARIFA SHEIKH	EE	Outdo India (1.56 LPA)
ANKIT KUMAR	ME	Outdo India (1.68 LPA)
GOVIND PATEL	ME	Outdo India (1.56 LPA)
HARISH GUPTA	ME	Outdo India (1.44 LPA)
NIMISH MITTAL	CS	Big Step (4 LPA to 6 LPA)
AMAN MUNET	CS	RSK Business (3.2 LPA to 3.5 LPA)
NEERAJ BOHARA	EE	Verzeo (Internship + PPO) (4 LPA to 6 LPA)
PRAKHAR GHATIA	CS	SilverPeak Global (4.5 LPA)
DEEPAK KUMAR SINGH	ECE	SilverPeak Global (4.5 LPA)
PURVADITYA TRIPATHI	EE	SilverPeak Global (4.5 LPA)
CHARUL CHASTA	EE	Pinnacle (2.16 LPA)
DIVYA MEENA	EE	Pinnacle (2.16 LPA)
MAYUR SOGNA	EE	Pinnacle (2.16 LPA)
SHUBHIT SINGH BISHT	EE	Pinnacle (2.16 LPA)
ABHISHEK PAL	ME	Pinnacle (2.16 LPA)
ADITYA SINGH	ME	Pinnacle (2.16 LPA)
SIDDHANT MUNDRA	ECE	Verzeo (2.2 LPA)
AKSHAY PAREEK	ME	Outdo India (1.8 LPA)
JYOTI TIWARI	CS	TechMatrix (3 LPA)
AJAY KUMAR SOLANKI	ME	Poly Medicure Limited @PU (1.95 LPA)
TUSHAR JINDAL	ME	Poly Medicure Limited @PU (1.95 LPA)
DEEPAK SINGH RATHORE	EE	Shriram General (1.77 LPA to 1.92 LPA)
GOVERDHAN SINGH RATNAWAT	EE	Shriram General (1.77 LPA to 1.92 LPA)
LOKENDRA KUMAR SINGH	EE	Shriram General (1.77 LPA to 1.92 LPA)
PANKAJ AGARWAL	EE	Shriram General (1.77 LPA to 1.92 LPA)

Name of Student	Branch	Company
SAINI ANKIT SURESH	EE	Shriram General (1.77 LPA to 1.92 LPA)
SAURABH MILKY	ME	Shriram General (1.77 LPA to 1.92 LPA)
ABHISHEK SONI	EE	Pinnacle (2.16 LPA)
PURURAWA SUTHAR	CS	Genesis Technologies (2.55 LPA)
AKSHAT SACHDEV	CS	E2V (2.4 LPA to 4 LPA)
ARPIT SHARMA	ECE	E2V (2.4 LPA to 4 LPA)
SUBHAM SHARMA	ECE	E2V (2.4 LPA to 4 LPA)
Rachit Gautam	EE	E2V (2.4 LPA to 4 LPA)
RITIKA TAK	IT	E2V (2.4 LPA to 4 LPA)
RAJ SINGH	ME	E2V (2.4 LPA to 4 LPA)
PRINCE SUWALKA	CIVIL	Kinlong Hardware (2.5 LPA to 3 LPA)
GAGAN DEEP KARDAM	ME	Hyrefox (2.5 LPA)
YASH SANGHI	CS	Roton Consultancies (1.2 LPA to 3 LPA)
BHAVANA ADDANIA	ECE	Roton Consultancies (1.2 LPA to 3 LPA)
HIMANSHU BANSAL	EE	Roton Consultancies (1.2 LPA to 3 LPA)
YASH MAJOKA	IT	La Net Team (2.40 LPA to 3.6 LPA)
KUNAL KANSAL	CS	Dotsquare (Phase-II) (3 LPA)
ANKIT SOURAV	IT	Dotsquare (Phase-II) (3 LPA)
THANVI HIMANSHU	IT	Dotsquare (Phase-II) (3 LPA)
VIPUL SONI	CS	Roton Consultancies (1.2 LPA to 3 LPA)
AMIT SINGH RAWAT	ME	Masu Brakes (1.8 LPA)
ARMESH SAINI	ME	Masu Brakes (1.8 LPA)
HARSHIT LOHAR	ME	Masu Brakes (1.8 LPA)
MANISH SINGH CHOUHAN	ME	Masu Brakes (1.8 LPA)
VIKRAM THAKUR	ME	Masu Brakes (1.8 LPA)
HARSH SONI	CS	Hexaview @PU (4 LPA)
ALOK KUMAR	EE	Radiant Appliances (1.65 LPA)
AYUSH KUMAR	EE	Radiant Appliances (1.65 LPA)
ESHA SINGHAL	EE	Radiant Appliances (1.65 LPA)
PRANAV GOCHER	EE	Radiant Appliances (1.65 LPA)
RAJAN SEHGAL	EE	Radiant Appliances (1.65 LPA)
SHOBHIT SHARMA	EE	Radiant Appliances (1.65 LPA)
SHUBHAM DADHICH	EE	Radiant Appliances (1.65 LPA)
SHUBHAM KUMAR JANGID	ME	Inmovidu (3 LPA to 5 LPA)
JAYESH BHARGAVA	ECE	Inmovidu (3 LPA to 5 LPA)
SHIVANSH SHARMA	IT	Bloombrain (4 LPA)
YASH SHARMA	Civil	Welspun (3.5 LPA)
KHUSHBOO PAREEK	CS	Revisedu (3 LPA to 6 LPA)
GOPESH YADAV	ECE	Addweb (2.48 LPA)
RAJENDRA KUMAWAT	ECE	Infosys (Campus) (Phase-II) (8 LPA)
RUMIT SURANA	B.Tech-CS	Infosys (Campus) (Phase-II) (5 LPA)
YASH SHARMA	B.Tech-ECE	Infosys (Campus) (Phase-II) (5 LPA)

Message

I feel joyful to witness that Poornima College of Engineering is concocting its yearly Magazine "Digital transformation and Innovation" for session 2020-2021. Notwithstanding the various accomplishments of the foundation, this is yet another achievement in its curricular and co-curricular exercises. I trust the magazine will bring inventive gifts to the students of the Institute.

Poornima College Alumni Society has everlastingly shown in combining the feeble bonds and making a new "partnership through the workplace of graduated class" corporate relations. I hope that the magazine would receive a creative and linguistic appreciation. I congratulate all those who are involved in bringing out this Magazine and extend my best wishes for the success of this endeavor.

Smt. Renu Singhi
Advisor
Poornima Alumni Societies

Message

At the outset I, Dipti Lodha, Director, Training & Placements, PCE, welcome you to the flag ship of Poornima College of Engineering. The Training and Placement Cell is one of the integral part of our college. Training & Placement activities are organized throughout the year with a view to prepare the students to appear the campus recruitment process with confidence. The first year engineering students are encouraged to participate in various competitions such as debate, group discussion, and power point presentation, essay writing etc. in order to enhance their confidence, reading, writing and communication skills. Students of second year engineering are trained on basic language skills in the well-developed Language laboratories of the institute. To prepare and train aspiring learners to face campus recruitment, the third year engineering students are provided with exhaustive training with relevance to communication skills, aptitude test and overall development for personal & professional grooming. These training programs give the students tips on how to crack aptitude, group discussion, interview skills and resume preparation.

The cell also educates the students with various carrier opportunities in different areas such as Public Sector, Armed forces and Government Sector services by conducting guest lecture regularly. It is heartening to state that reputed industries across the country visit our college regularly for campus recruitment. Majority of students with first class and good communication skills receive offer letters of reputed companies before their Technical Degree Certificate (Engineering).

With warm regards
Ms. Dipti Lodha
Director Corporate Relations
Placements & Training
Alumni Relations

POORNIMA
COLLEGE ALUMNI SOCIETY

ABOUT PCAS: With the objective to bring all the alumni of the college together, Poornima College Alumni Society (PCAS) was set up in the year 2006. The association provides a platform for interaction and sharing the thoughts by organizing different learning sessions. The alumni of the college are the real ambassadors who tie a strong bond with the juniors. The main focus areas of the PAA is to draw alumni into continuing life of their Alma mater and providing them with programs and encouraging their support. With the hope to make a difference, the PAA believes in characterization by vision, passion and courage providing a platform for exchange of ideas and experiences with Poornimites across the world.

MISSION: To develop and maintain a strong relation with Alumni and Poornima family, to develop faster networking and communication among Alumni and other stakeholders.

VISION: To become a must join organization by better informing, organizing and engaging alumni, students, staff members to strengthen the Poornima Group of Colleges as renowned organizations around the world.

FOUNDER MEMBERS

Mr. Arvind Balan
2004, Computer Engineering
Madcap Adventure Xperience Pvt. Ltd.
Proprietor, Fresh & Fast Food
Vice President, Hotel MKK Hospitality.

Mr. Sudhanshu Goyal
2005, Information Technology
Founder & Director,
Health Gennie

Mr. Ashok Kumar Jain
2004, Electrical Engineering
Proprietor, Deshna Buildhome

DEGREE DISTRIBUTION

The degree distribution ceremony 2020 was organized in Digital Mode on MS Teams on 19th of August from 12 pm onwards. The program commenced with the remarkable presence of Shri. Sanjay Agarwal, Head Presales and CTO at Hitachi Vantara, India and SAARC (South Asian Association for Regional Cooperation), Guest of Honor Mr. Rahul Singhi, Director, Poornima Foundation, Dr. Mahesh M Bundele, Director, Poornima College of Engineering, Dr. Dinesh Goyal, Director, Poornima Institute of Engineering and Technology, Prof. Pankaj Dhemla, Vice Principal, Poornima College of Engineering, Mr. Amit Gupta, Chief Proctor, Poornima College of Engineering, All the Head of Departments, Faculty, Staff member and the Alumnus.

The main purpose of the degree distribution ceremony was to felicitate the entire alumnus with their Bachelor's and Master's degrees. The ceremony was started by welcoming alumni traditionally. The program began with a lamp lighting ceremony of goddess Saraswati and paying gratitude to the nation by the National Anthem. An inspiring speech was delivered by Hon'ble Chief Guest throwing light upon the wonders of education and engineering in our life and also shared his work experience with Dr. APJ Abdul Kalam. Each one of them was presented a degree digitally by their head of department and our chief guest. Mr. Rahul Singhi addressed the alumni with his words of wisdom. He cited how the colleges are making astound progress in different horizons of recreation as well as academic province. He also mentioned the formation of a student body in college that would highly energize student interaction in various clubs and events. At the end ceremony was declared closed with a vote of thanks by Prof. Pankaj Dhemla. All the alumni, chief guest, director sir, and faculty members present were marched for the group photograph. The aim of the degree distribution ceremony was appreciated by the entire alumnus and the whole ceremony was organized by Poornima College Alumni Society (PCAS).d by Poornima Alumni Association.
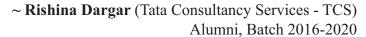
VIEWS OF ALUMNI

"It was an honor to attend our college with the same enthusiasm and zeal. As I entered college today, all the memories just flashed in my mind one after the other. Spent Best time of my life in college and hostel. The discipline they taught me is useful in every sphere of my life."

~ Sanjoli Jain (Infosys)
Alumni, Batch 2016-2020

"PCE has got one of the best infrastructural facilities and brilliant faculty, a college can have. As far as the placements are concerned, enough opportunities are provided to every student and it is up to the individual how you take it. Moreover, having a placement policy in order makes things even more transparent. I am really lucky and proud to have been a part of this institution because of the things I have learned over there."

~ Rishina Dargar (Tata Consultancy Services - TCS)
Alumni, Batch 2016-2020

"My fours year at Poornima Group of Colleges were great and a memory to cherish for lifetime. It was a full of learning. It was full of learning and grooming oneself. I am thankful to all the faculties, mentor and Placement cell."

~ Aashita Gupta (Infosys)
Alumni, Batch 2010-2014

"My graduation in Information technology, has been completed with so many ups and downs(covid-19 at last), during the course, it is all because of my mentors, who motivated me, all the faculty of the department , who showed me the right path and because of them, today I am selected in world's fortune #1 company, Walmart as Software Engineer. I am so grateful and proud being a Poornimite and thankful to whole IT department."

~ Shivangi Sharma (Walmart Global Tech.)
Alumni, Batch 2016-20

LANDMARKS

ICRAIE-2020

5th IEEE International Conference (Virtual Mode) on Recent Advances and Innovations in Engineering (ICRAIE 2020) is being organized by Poornima College of Engineering, Jaipur, Jaipur, Rajasthan, India, during December, 1 – 3, 2020 with Technical and financial sponsorship of IEEE Delhi Section and supported by ISTE New Delhi, IEI Rajasthan Section and ISLE Rajasthan Section, IETE, IEEE Student Branch Poornima College of Engineering, ACM-W Student Chapter Poornima College of Engineering, CSI Chapter IEEE UP Section.

ICRAIE-2020 aimed to bring together the Academicians, Researchers and Industry Experts in areas of Computer Science & Information Technology Electronics & Communication Engineering and Electrical Engineering for dissemination of original research and new innovations and ideas at International Platform have larger scope of participation for renowned organizations in India and abroad. The conference covers all major areas of research in Electrical, Electronics and Computer Engineering. It will also dwell on the commercial aspects of these fields.

ICRAIE-2020 includes excellent Keynote and plenary talks which will play a catalytic role in exchange of innovative ideas and the research concepts amongst academicians and researchers. ICRAIE-2020 includes excellent Keynote and plenary talks which will play a catalytic role in exchange of innovative ideas and the research concepts amongst academicians and researchers. ICRAIE-2020 has proved to be a complete professional experience complemented by the well-sethospitality extended by organizing committee amidst the beautiful and enthralling Jaipur landscape. IEEE Rajasthan subsection has played a vital role in organizing the organized three events in conjunction with ICRAIE 2020.

TECHNOVATION-2020

In order to encourage, bring together the student's talent, technological advancement and learn the latest trends in the areas of Engineering, the IEEE Student Branch of Poornima College of Engineering and society Chapters are organizing Three Days National Level Technical Paper and Model Contest "Technology-Innovation" TECHNOVATION- 2020 during 19-21 March 2020. This contest consists of oral presentation of selected quality papers and demonstration of models to showcase the original contributions and innovations of Undergraduate Students, Post Graduate Students and Doctoral Research Scholars from various institutions all over the nation. In addition to the student's contribution, few key-note talks in the area of Electrical Engineering, Electronics & Communication Engineering, Computer Engineering, Information Technology, Mechanical Engineering and Civil Engineering shall be arranged to give exposure to students and participants on the latest trends and technologies.

Technovation-2020 is an effort to bring together students across the nation with distinguished dignitaries to provide the view of the potential of the research works being carried out. It is aimed to create opportunities for collaboration to conceive and execute new ideas.

OBJECTIVES OF THE CONTEST

- To bring together undergraduate and postgraduate students, researchers of various institutions and universities across India to exchange their innovative ideas.

- To provide a platform for interaction and discussion on current thrust areas of various disciplines of Engineering.

- To facilitate students to participate, interact and explore new connections, thrust areas and research works and innovations.

- To provide a competitive platform to researchers and innovators among students of various levels.

INDEPENDENCE DAY : One of the most memorable days in Indian history is 15th August 1947. It's the day on which the Indian sub-continent got independence after a long struggle. India only has three national festivals that are celebrated by the whole nation as one. Each year Poornima Group also celebrates the day with the feeling of martyrdom and hoists the flag with the members.

REPUBLIC DAY :

Republic Day of India is celebrated on 26th January every year to mark the historic day when our country came into its own as a sovereign republic. The Indian Republic Day marks the successful attainment of the goal of 'Sampoorna Swaraj'. The Indian Constitution officially came into force on 26 January, 1950. As a republic, the constitution provides for an elected government and lays stress on political equality. Republic Day is celebrated on 26 January every year to mark the glorious event of India becoming a sovereign republic. Dr. Rajendra Prasad taking oath as the first President of free India is chronicled in the history of independent India. Each year Poornima Group also celebrates the day by hoisting the flag, singing National Anthem and Poornima Gaan and remembers the remarkable achievements and amendments made in the country and follows the tradition of the Group by singing and

WISE: WOMEN IN SCIENCE & ENGINEERING

"Let's make sure women and girls can shape the policies, services and infrastructure that impact all our lives. And let's support women and girls who are breaking down barriers to create a better world for everyone."

VISION : To improve the status of women in our society and to make them aware of their rights.

MISSION : To evolve and develop skill based systems in PCE showcasing different activities to groom their overall personality.

ABOUT PWWA & WISE AT PCE: Women are the foundation of every society. Women can do a lot in the society, what is needed; she herself should identify her strengths and work on it to build a strong society. A woman can not only change anything but also can change everything. "Women are the real Architect of Society". So, women at PCE have clasped and formed a club Women in Science and Engineering (WISE) to propagate importance and relevance of women education in Science and Engineering. Every year activities of WISE have been organized with the coordination of the concerned department to encourage the maximum participation of girls in various activities and to promote their overall development.

OBJECTIVE : Women are the foundation of every society. Women can do a lot in the society, what is needed, she herself should identify her strengths and work on it to build a strong society. A woman can change everything. "Women are the real Architects of Society". So, women at PCE have clasped and formed a club-Women in Science and Engineering (WISE) Under PWWA (Poornima Women Welfare Association) to propagate importance and relevance of women education in science and engineering . This year eight activities of WISE were organized with the coordination of the concerned department to encourage the maximum participation of girls.
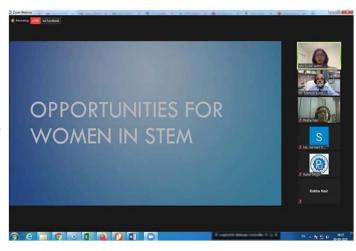
PWWA & WISE ACTIVITY:

Webinar on 'Opportunities for Women with STEM Courses' on 9th September 2020 by Ms. SonalSekhri.

She is an Alumni of Poornima College of Engineering presently based in the US, Data Scientist with past 7+ years of experience. 27, 2019 on Contribution of technology in our Society.The event started at 11:40 a.m and students were enthusiastic. The main objective of the event was to engross the hidden talent of the students. The students showed their abilities through art where in they expressed their feelings in the form of quotations, paintings, sketch etc.All the students participated and performed well and among them the winners were Shivani Sinha, Tanu Sharma of 3rd year.

INTERNATIONAL WOMEN'S DAY: Students' Council PCE in collaboration with WISE, organized a day celebration and activity to encourage and embrace the hard work, dedication, and immense power of womanhood for the strong ladies including female faculty members and girl students of our college on the occasion of International Women's Day, 8th March 2021.

A poster making competition was conducted and after the completion of the poster making competition a short program, including music and dance performance by the students and teachers, was conducted. After that the winning team of the poster making competition was announced and awarded with trophies and certificates. Total crowd was 60+ including female faculty members and girl students.

HOBBY E-FAIR: First Year, Poornima College of Engineering, under WISE Club, organized an online activity 'Hobby-e-Fair' for all the first-year girls for grooming their overall personality and encouraging their talents. It was conducted on Saturday, May 22, 2021. Girls participated showcasing their hobbies such as art and craft, dance, music, poem recitation, creative-writing, photography etc. The best participants were awarded with e-certificates. Dr Rekha Nair, Mr. Kuldeep Sharma, Mrs. Nikita Guatam, Dr. Neelam Chaplot and other faculty members made this event more cheerful with their presence and loved the event.

Faculty coordinator of this event: Dr. Meena Tekriwal (Member, PWWA and WISE)

Student coordinators: Megha Agrawal and Priyanshi Mittal.

"Online Breath and Meditation Workshop" at Friday, May 28, 2021

Coordinated: Dr. Deepika Chauhan, Professor, EE, Member (PWWA and WISE)

Mrs. Sneha got introduced to the Art of Living program through her friends when she was in Jodhpur, Rajasthan. With her sheer presence and conduct, she inspired the youth of many colleges to take up the AOL courses. She became an Art of living teacher. She makes every seminar very lively and energetic with her uniqueness - leading participants into the profound experience of transformation. Throughout this pandemic time, she has been into service activity. She has conducted a go beyond breath seminar, by which almost 5,000 people have benefited.

As we all know the whole world is suffering from this corona pandemic situation now. It's been a year and we all have seen that many lives are gone and as the days are passing the number of deaths is increasing. To build a strong immune system body requires proper working and in this lockdown situation all can be done with the help of yoga and meditation. We experienced a few minutes of peace in this busy and noisy world we live in. Whereas Dr. MonaliChopade shared her experience about being with art of living and performing daily Sudarshan kriya and said The Art of Living not only give peace of mind but also relieve and sense of freshness and energy to move forward in life also showing the great impact of Sudarshan kriya on the rejuvenation of the

brain cells. The technique brings relaxation, and a lot of toxins are flushed away from the body.

DEPARTMENT OF I YEAR

About the Department

The First Year Engineering Department in PCE is committed to imparting the students the basic knowledge required to pursue their engineering education and is established in 2000 till date and currently take pride in educating over 840 students spread among 9 sections comprising CS, IT, EC, EE, CIVIL and ME. The framework of the department provides ample opportunities to the students to train and excel themselves as researcher, thinker, job-seeker, entrepreneur, or innovator based on their passion. We focus on quality of teaching, learning and innovation to develop competent engineers with professional, analytical skills and ethical values. To strengthen the graduate attributes, we have designed the curriculum in line with the staff of 34 faculties with the supporting staff of 10. 15 numbers of laboratories were also introduced along with the 8 lecture halls having the sitting of 50+ students at a time and 2 tutorial classes for the students of the first-year department.

Here the faculty members are gal oriented and completely dedicated towards their aim. This department is very strict in terms of Uniform, attendance, mid-term exams and all other special activities. Beyond the academics, the Department also emphasizes Non-Syllabus Projects. The strictness shown by the faculty members helps the budding technocrats to prepare themselves to be good future engineers. The department has organized many activities for the whole year for the complete development of the students. The department organizes many competitions after a certain interval to raise the talent of the students and make them compete in this global world. We also organize many activities to make the students aware about their personality. Thus, the first-year department works well to give its contribution in the form of Better Future Engineers.

MESSAGE FROM DEAN

I want to congratulate PCE for successfully implementing various activities. The most basic ingredient that identifies you as an engineer is the knowledge in your field of study. It is very important to learn theoretical aspects but at the same time it is very important to learn the application, practicality of the learned fact. As engineers, you are expected to be creative enough to come up with innovative ideas and analytical enough to link knowledge from different areas to solve problems.

Look around. Some of the most amazing gadgets and technologies are creative and, sometimes, simple engineering solutions to daily problems, starting from the smartphone to e-commerce. The world is now transformed into a place where an understanding of computers and gadgets is no more a trade-skill, but a life-skill. So, you must tinker with every new idea you encounter.

Dr. Rekha Nair

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	"3rd National level Student Technical Paper & Model Contest"	December 12-13, 2020	Dr. Rekha Nair
2	Session on Adaptability Skills	Oct. 29-Nov. 09, 2020	Dr. Meetakshi Bhatt
3	Workshop on ICT Tools and Management	April14, 2020	Mr. B. B. Parashar
4	The Art of Yoga and Meditation	October 24, 2020	Ms. Meena Tekriwal
5	Language and Communication Skills Workshop	November 12-15, 2020	Mr. Prince Dawar
6	AADHAR 2020-21	February 14, 2021	Dr. Vijayakumar Gale
7	Seminar on Gender Mainstreaming	April 11, 2021	Ms. Neha Sharma
8	Orientation Program	Oct. 19 – Nov. 21, 2020	Dr. Reka Nair
9	International Women's Day	March 8, 2020	Dr. PritiKaushik
10	Session on Universal Human Values	October 21-22, 2020	Mr. Prince Dawar
11	Session on Professional Ethics	Oct. 22, 2020	Dr. Pallavi Mishra

FIRST YEAR INAUGURAL SESSION STUDENT INDUCTION PROGRAM: The Orientation Program "Pehla Kadam" for the newly admitted students of B. Tech. First year was initiated on October 19, 2020. Around 450 students joined this session. Ar. Rahul Singhi (Director Poornima Group) shared the philosophy and policies of Poornima which it has been cherishing and following since its inception. Further, the session was headed by Dr. Mahesh Bundele (Director, PCE) who made the students know about the college, its functioning and achievements of their respective colleges which are run under one entity entitled as Poornima Group. The respective directors urged the students to share their thoughts related to Poornima and tried to understand their mind set as fresher candidates.

Interaction with Chief Guest Ashish Vidyarthi on October 21st, 2020.

Mr. Ashish Vidyarthi, made the students acquainted with the current scenario and motivated them for desired actions to be taken for humanity. He shared his experience with the students and deliberated his thoughts on human life through the examples. He further stated that the current scenario is deprived of values and warmth of the relationship and he urged the students to take the required steps in this regard. Ended with a vote of thanks.

UNIVERSAL HUMAN VALUES, 'THE ROLE OF EDUCATION IN HOLISTIC DEVELOPMENT' held on October 22, 2020 by Dr. Mamta Sharma.

Dr. Mamta Sharma made the students acquainted with the need of human values which makes the life of an individual beautiful as human values help him or her to know the sanctity of human relationship. She deliberated her thoughts like survival of the fittest and evolution of human race, materialistic life and its effects on human beings and importance of human values which can make human survival possible on the earth.

Motivational Talk Session by Mr. Gaurav Sharma, Mountaineer, Everest Climber Camp India Adventures on 31 October, 2020.

The expert gracefully interacted with the students and made them understand the value of hard work and sincerity. The speaker shared with the students how it is important to set a goal in life so that it may be worth living. He motivated the students and made them realize the worth of human life and its objectives.

Expert Lecture by Dr. RituSoryan at Universal Human Values & Professional Ethics "TRANSFORMING HUMANITY THROUGH RIGHT UNDERSTANDING" on November, 18th 2020.

The main goal of the lecture was to identify and emphasize the problems related to happiness, welfare, aspirations, thoughts, goals and success in an individual's life and challenges being faced by the people at individual, family, society and environmental levels. She reflected her profound knowledge on laws of nature and science of machines and computers. Dr. Soryan enlightened everyone with the thought of Information Science, how inferences can be drawn by human mind and the birth of Information Processing by merging capability of human mind with machine. Professor Ritusaid that education is considered an integrated and hierarchical system for the development of Human Values and Soft Skills in students.

Lectures by Eminent People

- Industry Expert Session on Re-engineer Thyself by Mr. Sujan Roy (Head Exports - Passenger Vehicle) & Head - Marketing (Electric Vehicles) on October 23rd, 2020.

  Mr. Sujan Roy made the participants acquainted with the relationship of engineering with Business opportunities, entrepreneurship and jobs in the current scenario. He took a session in a very interactive way with lots of simple stories having immense learning. Taking the current scenario of pandemic Covid 19, he shared his experiences with the participants in his address and urged them to be prepared for the hardships which they may face in future.

- Industry Expert Session by Mr. Samish Dalal, (Professor, S P Jain School of Global Management) on the Exploring Business Opportunities with the budding engineers on 23 October, 2020.

- Director's graced the occasion with their esteemed presence along with faculty members and coordinators of the induction program. Mr. Samish Dalalexplained the participants were acquainted with the need of engineering in the current scenario. He urged them to make themselves equipped with the latest knowledge and technology for the bright future.

- Industry Expert Session on Digital & Social Media Revolution - its Pros & Cons by Mr. Rakesh Meet on October 24th, 2020.

- The expert talked on the topic "Digital & Social Media Revolution" and made the budding engineers know the pros and cons of the same. He shared the experience with the students and made them acquainted with the issue that may occur if digital and social media is used in the wrong way.

- Industry Expert Session on Knowledge enhancement of budding engineers by Mr. Vivek Tripathi CHRO, BIBA Apparels Pvt. Ltd on 24 October, 2020.

- Session was started with the virtual welcome of the speaker. Mr. Vivek Tripathi explained to students the importance of engineering for a nation and society. He urged them to make themselves equipped with updated knowledge and technology for the bright future.

Industry Expert Session about CAREER OPTIONS IN THE IT INDUSTRY by Mr. Ashish Jain, Founder and M.D. - AnktechSoftwares Pvt. Ltd, Jaipur on October 26th, 2020.

The expert urged budding engineers to make them equipped with updated knowledge and technology for the bright future. He discussed various career options in the IT industry. He focused on skill pupation in different domains like Computer Language proficiency, Communication Skills etc. He focused on the need of maintaining, Attitude, Aptitude and Skill development. He shared his remarkable experiences of being an entrepreneur and wished them good luck for their new journey in the field of science and technology.ortance of human values which are applied universally and can make human survival possible on the earth.

Industry Expert Session on EMERGING OPPORTUNITIES & CAREER POST CRISIS by Mr. SK Dutt, Group CHRO First Equals Global on October 27th, 2020.

The speaker shared with the students how and what kinds of opportunities are available and emerging in various fields of technology and science. He talked about the current time situation and gave examples from it. He made them be prepared and complete their education with success so that they may grab those opportunities for the betterment of their nation. He urged budding engineers to make them equipped with updated knowledge and technology for the bright future.

Familiarization with Department/Branch and Innovation Session on INTRODUCTION TO COMPUTER PROGRAMMING by Mr. Sanjay Gupta on October 21 to 27, 2020.

To make the students aware about various Programming Languages and to give a demo of C programming language. Students will be able to download C compilers and can run simple C programs. What idea did the students gain and how will it become satisfactory to them: Students gained knowledge about various programming languages and they learned how to download C Compiler for Laptop and Desktop. They also learned how they can do C programming using online compilers.

Session for Introducing Manufacturing Practice Workshop by Dr. Yashpal Kaushik on October 28-29th, 2020.

This activity intends to impart basic know-how of various machines, tools and their use in different sections of manufacturing. Irrespective of branch, the use of workshop practices in day to day industrial as well domestic life helps to dissolve the real-life problems. Students got the glimpse of how the products/components of any product are manufactured and they were keen to watch the video contents, which were recorded in our 1st year workshop. So, now they have the basic knowledge about the Lathe machine, drilling machine and various tools which are associated with the different shops related to the workshop.

Session on Construction and Working of Ceiling Fan on October 30th, 2020

The students have understood various applications of electrical machines in domestic and industrial appliances. As a professional engineer, it will be their responsibility to prepare themselves to do their job correctly and learn as much as you can "up front". They would find that as a practicing professional if you wait until the last minute, you might have to pay a very painful price emotionally, financially, and professionally.

Session on Development of Manufacturing Processes by Mr. Sanjay Kumawat on October 31st, 2020

Lecture was intended to comprehend the Classification of manufacturing processes, Development of mechanical systems with the passage of time Contribution and interdependency of all the engineering streams for the technology development and services.

VIRTUAL VISIT OF COLLEGE

Session #1
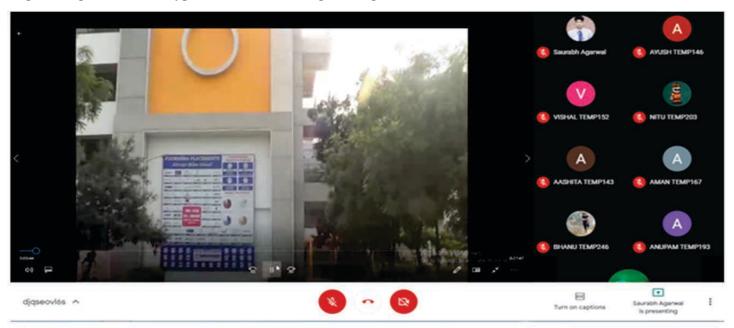
Virtual College Visit by Mr. Manoj Sharma on November 2- 3rd, 2020.

The objective of the visit was to familiarize students with college campuses and different types of departments.

Session #2

Virtual Civil Lab Visit by Mr. Manoj Sharma on November 5- 7th, 2020

To familiar students with Civil Engineering Labs and instruments related to labs and they know about Civil Engineering and different types of labs in Civil Engineering.

PROFICIENCY MODULES

Workshop on "DEVELOPING COMMUNICATION SKILLS" by Mr. Kuldip Sharma from 29th October to 9th November, 2020.

The participants through this workshop will be able to -

- Gain a functional understanding of Basic English grammar.
- Understand and enhance interpersonal communication processes.
- Develop awareness of appropriate communication strategies.
- Prepare and present messages with a specific intent.
- Ethically use, document and integrate sources.
- Trainees will develop knowledge, skills, and judgment around human communication that facilitate their ability to work collaboratively with others. Such skills could include communication competencies such as managing conflict, understanding small group processes, active listening, appropriate self-disclosure, etc.

Session #1
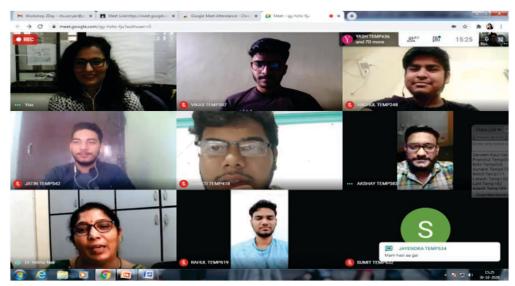
Session on Proficiency Module (Ice- Breaking & Team Building) from 2nd Nov 2020 to 7th Nov 2020.

Understand and enhance interpersonal communication processes, develop awareness of appropriate communication strategies& Team work. Prepare and present messages with a specific intent. Students will be able to understand the grey areas related to speaking skills. This activity is an extension and illustration of patterns of perception that are covered in class. It gives students an opportunity to see what sort of evidence is used to measure and analyze the presence of mind.

Session #2

Session on 'Proficiency Building & Vocabulary Building' from 2nd Nov 2020 to 7th Nov 2020.

In the session the newcomers were taught about the importance of Language Proficiency and role of rich vocabulary in excelling in technical education and in career. With the help of a research report it has been informed that an average Indian student has a vocabulary of at least 2000-3000 words at the entry level of their University Education. The newcomers were also told about how they can enrich their word power in English language while the language being the language of technology and business across the globe. The session happened to be very successful and satisfactory to all the students as they asked for more such sessions.

TECHNICAL SESSIONS

Session #1

Session on 'Microsoft Excel' from 22nd Oct 2020 to 27th Oct 2020.

Performing complex calculations more efficiently, using various Excel functions & organizing and analyzing large volumes of data. Designing and using templates, consolidating and managing data from multiple.

Session #2

Session on 'Microsoft Teams' by Shirish Nagar on 28th October 2020

Organizing teams and creating Channels and creating threaded conversations through Chats. Scheduling through Calendar and starting video meetings & Sharing files, integrating and using additional Applications and optional features and customize the environment through Settings

Session #3

Session on "Introduction to 3D Printing" by Mr. Ashwani Kapoor on 2nd Nov 2020 for all the groups.

Additive Manufacturing (AM) refers to a group of methods and technologies that create arbitrarily complex three-dimensional structures through the sequential layer-wise addition of materials in selected regions corresponding to digital slices of a computer-generated model. Commonly known as 3D Printing, this emerging technology is revolutionizing the manufacturing industry with its ability to turn digital data into physical parts.

Session #4

Session on 'AI & DATA SCIENCE' from 4th Nov 2020 to 6th Nov 2020.

To introduce Artificial intelligence, learn Importance of AI, understand history of AI, understand Applications of AI & its future, understand Data science & its need, understand Process & applications of Data science, explore Skills required & jobs in AI. At the end of lecture students are able to understand AI & data science applications, history & Skills required & jobs in AI.

Session #5

Session on 'MOOC' on 30th Oct 2020 for all the groups.

As per RTU Scheme a student will get B.Tech. honor's degree once he/she will get extra 20 credits through MOOC. The objective of this was to provide information to new entrants regarding Massive Open Online Courses from different sources like NPTEL, Coursera, Data Camp, Udemy. These courses will not only strengthen students but also will help them to get placed in reputed companies. These Courses are going to help students. The session started with focusing on why these courses are very important for the students. Special focus was given on NPTEL courses because NPTEL has collaboration with AICTE regarding credit transfer earned by NPTEL Certified students directly to the RTU. As many companies are directly taking interviews during the recruitment process without any Technical Test for NPTEL Certified students, this session also enlightens that area.

CREATIVE PRACTICES
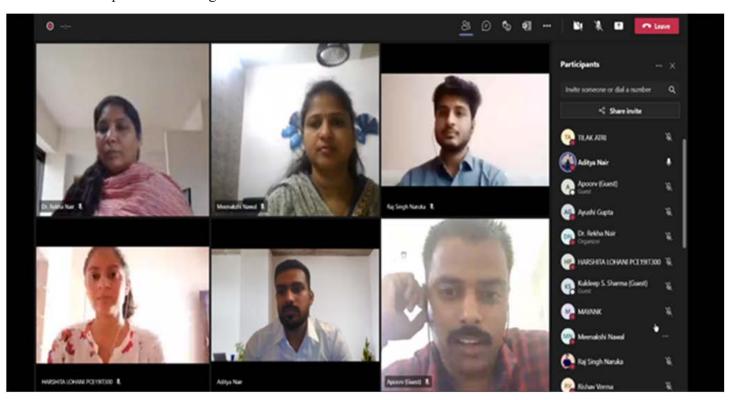
Session on Cultural Event/ Creative Arts by Faculty Coordinators & Student Coordinators on 5th -7th Nov 2020.

Interaction session to inform first year students about the cultural event of Induction program 2020-21. This session was to make an interaction between seniors and students of first year (2020-21). The session was common for the students of PCE. This session was to inform students about the Cultural and Literary Art competition for the induction program. This session clears all the queries of the student related to the competition including about the list of activities, rules and regulation, etc. We also solved queries related to their new college life, online classes, about faculties' members, etc. All the students were satisfied with the session and they appreciated us and our solutions. They all really found our solutions helpful and they all were thankful for making their session successful.

Session on "Growth Opportunities in DefenseSector for Engineers" on 19 June 2021

Department of First Year, PCE has organized a live interactive discussion on "Growth Opportunities in defense Sector for Engineers". Students from our as well as from some other colleges were also allowed to join the session. The motive of the wonderful session is to encourage the upcoming engineers, those who are willing to be in the defense (Army, Navy and Air force) can join and contribute their part to the nation. The positive part of the session was the doubts and queries asked by the students regarding defense exams, lifestyle, job profile, tenure etc. were solved and answered which encouraged them to explore life more in defense Sector and the will to do something for the nation in future. The speaker Major Apoorv Singhal resolved the queries of the students in a very efficient way and solved the doubts about the Indian army. Along with that, he shared his Army life journey with others than how he got selected in the Indian Army and achieved a great position in the Army also they brief about various processes or method to be in the Indian Army like The JAG Entry, CDS Examination, TGC Entry, Special Entries for NCC.

The session took place under the guidance of Dr. Rekha Nair Ma'am and Dr. Meenakshi Nawal Ma'am.

FACULTY ACHIEVEMENTS

DR. REKHA NAIR

- Enhancement of Efficiency of Biogas Digester in Cold Season, Journal of Emerging Technologies and Innovative Research (JETIR)

DR. SUNIL K. YADAV

- Certain results for η-Ricci Solitons and Yamabe Solitons on quasi-Sasakian 3-Manifolds.
- Certain results on submanifolds of generalized Sasakian space-forms.
- On Three-DimensionalPseudo Symmetric Alpha-Kenmotsu Manifolds.
- Certain geometric properties of η-Ricci soliton on η-Einstein para Kenmotsu on Hermitian manifolds satisfying certain curvature conditions.
- Certain results on N (k)-Contact metric manifolds.
- On (epsilon)-Almost Paracontact Metric Manifolds with Conformal (eta)-Ricci solitons.
- The Lorentzian concircular structure manifold with D-homothetic deformations.

DR. PALLAVI MISHRA

- Characterization and antibacterial activity of two new compounds from alstoniascholaris.

MANISH PRAKASH

- A review on mechanical and wear characteristics of particulate reinforced Al-alloy based MMC.

KULDIP SHARMA

- Gyan Ganga: State Level Online FDP.

RIDDHI SHRIVASTAVA

- Universal Human Value (FDP).

DR. MEENA TEKRIWAL

- RENEWABLE ENERGY TECHNOLOGIES.
- Including universal human values in technical education.
- AatamNirbhar Bharat Encouraging Enterprise in Rural Communities and Remote Regions.

DEPARTMENT OF COMPUTER ENGINEERING

VISION

Evolve as a center of excellence with wider recognition and to adapt the rapid innovation in Computer Engineering.

MISSION

- To provide a learning-centered environment that will enable students and faculty members to achieve their goals empowering them to compete globally for the most desirable careers in academia and industry.
- To contribute significantly to the research and the discovery of new arenas of knowledge and methods in the rapid developing field of Computer Engineering.
- To support society through participation and transfer of advanced technology from one sector to another.

ABOUT THE DEPARTMENT

The Department of CSE was established in July 2000. It administers bachelor's programs in Computer Engineering, as well as master's degree programs in Computer Science and Engineering. The department is accredited by National Board of Accreditation (NBA) for quality and outcome based education and strengths include its high faculty-to-student ratio, state of the art facilities, renowned faculty, and strong focus on undergraduate education balanced with leading-edge research, and emphasis on leadership, service and ethics It aims at imparting quality education and strives to quench the thirst for knowledge and it emphasis on theoretical and practical aspects of subjects taught viz. Computer Technologies, DS, Machine Learning, AI, Information Security, Programming Languages, Networking, Database Management, OS.

The curriculum inculcates industrial summer training after I, II, and III year which enables students to get acquainted with work culture and in turn help them groom themselves. International conferences, Symposiums, workshops, and seminars of national and international levels are organized by departments in close liaison with renowned professional societies such as TEQIP, IEEE, CSI, IEI, ISTE, and ACM-W etc. Moreover, experts with hands-on experience regularly share their domain knowledge with the department. Most of the students passed out are well placed or have opted for higher studies. Top IT companies like Infosys, TCS, Capgemini, and IBM are major recruiters. The department focuses on development and strengthening systems thinking, problem solving, analysis, design, research, team work, communication skills, and readiness for lifelong learning in areas of AI, Machine Learning, Deep Learning, Cloud Computing, Business Intelligence and Internet of Things.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will work productively as skillful engineers playing the leading roles in multifaceted teams.
- Graduates will identify the solutions for challenging issues inspiring the upcoming generations leading them towards innovative, creative, and sophisticated technologies.
- Graduates will implement their pioneering ideas practically to create products and the feasible solutions of research-oriented problems

PROGRAM OUTCOMES (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO)

- The ability to understand and apply knowledge of mathematics, system analysis & design, Data Modelling, Cloud Technology, and latest tools to develop computer-based solutions in the areas of system software, Multimedia, Web Applications, Big data analytics, IOT, Business Intelligence and Networking systems.
- The ability to understand the evolutionary changes in computing, apply standards and ethical practices in project development using latest tools & Technologies to solve societal problems and meet the challenges of the future.
- The ability to employ modern computing tools and platforms to be an entrepreneur, lifelong learning and higher studies.

MESSAGE FROM HEAD OF DEPARTMENT

It is my great pleasure to extend heartfelt greetings to the readers of the College Magazine. We are dedicated to providing not only the technical education to our students but also the leadership skills through which they can produce employment to others. The department has a team of highly experienced and motivated faculty members who are in the process of tuning the young minds to make them globally competitive.

Department has an excellent infrastructural and computing facilities and provides a conducive environment to promote academic and research excellence in the department and signed MOU with Automation Anywhere, IBM, Infosys, Red hat Academy, Celebal Tech, RAPIDOPS, Teampreneur and Coding Ninjas to promote academic and technical skills excellence in the department. We are especially proud of the long and sustained placement records of our Bachelor students in different multinational software industries and govt. sector.

I congratulate the team of faculty members and the students for their brilliant and original efforts. I wish all the Students and Faculty a great academic career.

"Jai Jai Poornima Sansthan"

Dr. Surendra Kumar Yadav

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Webinar on Early Planning for the Career Ahead	July 3, 2020	Ms Salini Puri
2	Webinar on Big Data Testing Tool	July 6, 2020	Dr.Neelam Chaplot Dr. Sonal Sharma
3	Training on Microsoft Team	July 6,2020	Dr Satya Maurya Ms Richa Mehra
4	Workshop on Microsoft Publisher	August 17, 2020	Dr Sunil Gupta Mr Amit Kumar Jha
5	Workshop on a Fast Guide on Writing LaTeX	August 24, 2020	MS Swati Paliwal
6	FDP on Trends and Applications in Machine Learning and Deep Learning	Sep. 4-5, 2020	Dr.Neelam Chaplot
7	Teacher's Day Celebration	September 5, 2020	Dr Veena Yadav Mr Vishal Chaudhary
8	Expert Lecture on Working together for success	September 14,2020	Dr Sonal Sharma Ms Salini Puri
9	Session on Women's Empowerment	September 14, 2020	Mr. Nimish Arvind Ms Upma Kumari
10	Hindi Diwas	September 14, 2020	Ms Nikita Jain Mr Manish Dubey
11	Training on Google Meet Use	September 21, 2020	Ms Rajni Sharma Dr Pushpendra Singh
12	Celebration of Gandhi Jayanti	Oct. 2, 2020	Mr Ravi Kumar Dr Geeta Gandhi
13	Workshop on How to Set and Achieve Goals?	October 9, 2020	Ms Reema Rani Shiv Kumar Agrwal

S.No.	Full Name of the Activity	Date	Coordinator of Activity
14	Webinar on Preparing for the future with AI	October 16, 2020	Dr. Neelam Chaplot
15	FDP on Cyber Security & Cyber Forensics	October 21-25, 2020	Dr. Sanjay Bhargava
16	ICRAIE 2020	December 1-3, 2020	Dr Mahesh M Bundele Dr. Surendra Kr. Yadav
17	Webinar on Data Analytics	December 24, 2020	Dr. Surendra Kr.Yadav Dr.Neelam Chaplot
18	Expert Lecture on Human Values and Ethics	January 28, 2021	Mr Yashu Bhardwaj Mr Shiv Kumar Agrwal
19	Training on Microsoft Team	February 9, 2021	Mr Sanjay Kr Gupta Mr Gaurav Sharma
20	Workshop on a Fast Guide on Writing LaTeX	February 17, 2021	Mr Manish Dubey Mr Ravi Kumar
21	Workshop on Turnitin	February 24, 2021	Ms Archana Bhrdwaj Mr Deepak Baberwal
22	Training on Google Meet Use	March 14, 2021	Mr Manish Dubey Mr Harish Pamnani
23	Republic Day Activity	Jan 26, 2021	Ms Archan Soni, Dr Meenakshi Naval
24	International Women's Day Celebration	March 8, 2021	Ms Reena Sharma Ms Reema Rani
25	Expert Talk on Oracle Exadata Overview	April 21, 2021	Ms.Reena Sharma
26	FDP on Recent Advancement in Machine Learning and AI	April 16-20, 2021	Mr. Nimish Arvind
27	Expert Lecture on Hands on Android Applications, Deployment and Discussion on Various Job Roles of	June 5, 2021 Android in Industry	Dr Surendra K. Yadav MS Nikita Jain

Webinar on "Early Planning for the Career Ahead" on July 3, 2020

The objective of this webinar was to discuss the Early Planning for the Career Ahead with the Final Year Engineering Students. Expert Mr. Ashish Gupta is a Practicing Geotechnical Engineer having nearly 15 years of professional experience from USA, Middle East, UK and India. He shared about his academic experience from India and US and work experience from the US, India, ME and UK.

Two days FDP on "Trends and Applications in Machine Learning and Deep Learning" from September 4-5, 2020.

Machine Learning and Deep Learning has changed the way of our life in the past two decades. It has tried to simulate human intelligence through machines in all types of applications. With the easy availability of huge amounts of data there is good reason to believe that intelligent learning will become a necessary ingredient for technological progress. This FDP aims to provide an opportunity to enhance knowledge about the key concepts and latest advancements in the field of machine learning and Deep Learning.

Five Day FDP on "Cyber Security & Cyber Forensics" form September 21-25, 2020

Cybersecurity refers to a set of techniques used to protect the integrity of networks, programs and data from attack, damage or unauthorized access. The pioneers of cyber forensics were computer hobbyists and law enforcement officers who would share their knowledge to investigate computer-related crimes. Many Experts from reputed organizations cover various topics related to Cyber Security and Cyber Forensics.

Webinar on "Data Analytics" on December 24, 2020

The Department of Computer Engineering organized a Webinar On "Data Analytics" on December 24, 2020. The main objective of this Webinar was to provide an exposure to students about Advances in Data Analytics and similar fields through interaction with Expert Ms. Richa Sharma, Former Principal Data Scientist, Discover Financial Services, Chicago, USA.
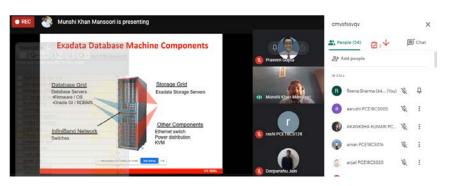
Five Day FDP on "Recent Advancement in Machine Learning and AI" from March 16-20, 2021

Machine Learning and Artificial Intelligence has changed the way of our life in the past two decades. This FDP aims to provide an opportunity to enhance knowledge about the key concepts and latest advancements in the field of machine learning and AI. The participants will also be able to explore various research opportunities and challenges in the field of machine learning and AI.

Expert Lecture on "Oracle Exadata Overview" on April 21, 2021

It was to inform students and faculties about Oracle Database, Database Machine and Certification. The Oracle Exadata Database Machine is a computing platform optimized for running Oracle Database.

Expert Lecture on "Hands on Android Applications, Deployment and Discussion on Various Job Roles of Android in Industry" on June 5, 2021.

The CSE Department organized an expert lecture on "Android Application". Mr. SidantRajora, Android Engineer from Fueled Technologies Private LTD delivered his knowledge and experience with the students.

ENDEAVORS

DR. SURENDRA KUMAR YADAV

- Awarded "Excellence in Education" in ITSR Foundation Award-2020 organized by Institute of Technical and Scientific Research on 13th September 2020.
- A patent application has been filed on "BREATHE BOX COMPACT VENTILATOR" on 17th June, 2020 and application is under process.
- Published paper entitled "Development of Intelligent Driving Model Using Augmented Reality" in the International Journal of Scientific & Technology Research volume 9, issue 03, April 2020, ISSN 2277-8616.
- Published paper entitled "A Comparative Study of Cloud Systems Scheduling for Load Balancing" in the International Conference on Global Entrepreneurship Trends and Empowerment through Innovative (ICGETEI), March 05-06, 2021.
- Published paper entitled "Comparative Study of Effectiveness on Class Participation of Computer Science Teaching by Online Tools at Engineering Level' in the International Conference on Global Entrepreneurship Trends and Empowerment through Innovative (ICGETEI), March 05-06, 2021.
- Published paper entitled "Comparative Analysis of Prediction Coronary Heart Diseases using different Data Mining Models" in the journal of Design Engineering, ISSN: 0011-9342, Issue: 6, June-2021.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning from 04-09-2020 to 05/09/2020 Organized by Rajasthan Technical University, Kota and Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber Security and Cyber Forensics from 21/09/2020 to 25/09/202 Organized by Rajasthan Technical University, Kota and Poornima College of Engineering, Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on Data Science using R from 11-05-20 to 15-05-20 Organized by NITTR and MHRD.
- Attended AICTE Sponsored Faculty Development Programme on Big Data Analytics 03-02-20 to 07-02-20 Organized by NITTR and MHRD.
- Received Certificate of short-term course on "Introduction to Big Data" from Coursera in April, 2020.
- Received Certificate of short-term course on "Introduction to Artificial Intelligence" from NPTEL on TCSiON in April, 2020.
- Received Certificate of short-term course on "Data Warehouse Concepts, Design, and Data Integration" from Coursera in May, 2020
- Received Certificate of short-term course on "Data Management and Visualization" from Coursera in May, 2020.
- Received Certificate of short-term course on "Biometrics" from Coursera in NPTEL on TCSiON, 2020.
- Microsoft Certified on Azure AI Fundamentals in June-2021.

DR. SHALINI PURI

- Published Paper entitled "Advanced Applications on Bilingual Document Analysis and Processing Systems" in the International Journal of Applied Metaheuristic Computing (IJAMC), IGI Global, October, 2020.
- Patent entitled "Fingerprint Sensor Ignition System for Bikes Methods and Thereof", granted by Australian patent.

- Published Paper entitled "A Review on Dimensionality Reduction in Fuzzy and SVM based Text Classification Strategies" in the Congress on Intelligence system, Springer.
- Attended AICTE and ATAL Sponsored Faculty Development Programme on Speech Processing Using Deep Learning Organized by Indian Institute of Technology, Dharwad.
- Attended AICTE and ATAL Sponsored Faculty Development Programme on Robotics Organized by Indian Institute of Technology, Ropar.
- Attended AICTE and ATAL Sponsored Faculty Development Programme on Artificial Intelligence Organized by Indian Institute of Technology, Patna.
- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber Security and Cyber Forensics Organized by Rajasthan Technical University, Kota and Poornima College of Engineering, Jaipur.
- Attended AICTE and ATAL Sponsored Faculty Development Programme on Computer Vision and Pattern Recognition: Challenges and Opportunities Organized by Sri JayachamarajendraCollege of Engineering, Mysore.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, Poornima College of Engineering, Jaipur
- Attended AICTE & AQIS Sponsored Faculty Development Programme on Artificial Intelligence & 5G Communication Technology Organized by Poornima College of Engineering, Jaipur
- Microsoft Certified: Azure AI Fundamentals

MR. CS RAJPUT

- Presented Paper entitled "Containers & Docker Architecture: Enhancement of Efficient Resource Utilization Over Virtual Machine" in the International Conference on Global Entrepreneurship Trends & Empowerment through Innovation, ICGETEI 2021
- Attended TEQIP-III Sponsored Faculty Development Programme on Computer Vision and Pattern Recognition Organized by Department of CSE, Stani Memorial College of Engineering & Technology, Phagi - Jaipur, Rajasthan.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.
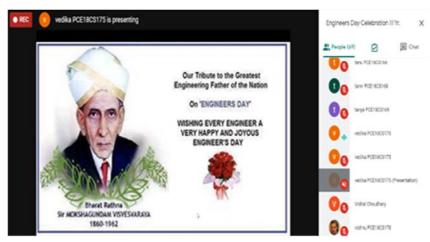
MR. RAJ KUMAR JAIN

- Presented Paper entitled "Smart Modern AC Microgrid Monitoring System using Power Line Communication" in the 5th IEEE International Conference on Recent Advances & Innovations in Engineering" (ICRAIE-2020-IEEE Record # 51050).
- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber Security and Cyber Forensics Organized by Rajasthan Technical University, Kota and PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Mobile robotics & Internet of thing Organized by Poornima College of engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by RTU, Kota, PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.
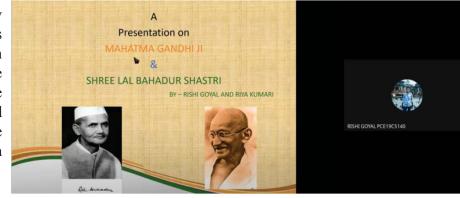
Engineer's Day Celebration on September 15, 2020

An event "Engineers Day" is celebrated in the department of Computer Engineering. In India, we celebrate National Engineer's Day on September 15, the birth anniversary of Mokshagundam Visvesvaraya, who is considered one of the finest engineers of the country. In order to refine our PCE Students and give them a Glimpse of the Corporate World, Alumni Talk Series are regularly planned where senior Alumni interact with the current students and guide them by sharing open feedback.

Gandhi Jayanti Celebration on October 2, 2020

On this occasion, students of Computer Engineering department up a socially relevant subject to sensitize the students towards their societal commitment and in return help the society. The study is done through a survey carried out by the student body in & around their places and analysis is done for the same. The outcome of the event will be presented on the day of celebration.

Webinar on "Preparing for the future with Artificial Intelligence(AI)" on October 16, 2020

The webinar was to introduce students with various applications of Artificial Intelligence and future prospects in the field. Expert Dr. Nikhil Gulati, Senior Director, Baker Huges, San Francisco, Bay Area. He discussed the ways to Prepare in the area so that students can find a path to proceed further in the field. He also discusses various options available for future studies and placement in this area. He provided the base information so that the student can further explore the technology and create a base in this field.

DR. NEELAM CHAPLOT

- Presented a Paper entitled "Analysis of Diseases in Plant's leaves using Deep learning techniques" in the International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2020).

- Presented Paper entitled "Proposed Method of Diseases identification on oilseeds Leaf by Using Deep learning Technique" in the International Conference on Data Analytics & Management (ICDAM-2021).

- Attended AICTE and ATAL Sponsored Faculty Development Programme on Artificial Intelligence Organized by KIIT Deemed to be University.

- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber Security & Cyber Forensics Organized by Poornima College of Engineering, Jaipur.

- Attended AICTE and ATAL Sponsored Faculty Development Programme on Leadership & Excellence Organized by Indian Institute of Technology Hyderabad.

- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by RTU, Kota, PCE, Jaipur.

- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.

- Attended AICTE Sponsored Faculty Development Programme on Machine Learning and Deep Learning: Research and Application Perspective (part-2) Organized by PCE, Jaipur.

- Attended AICTE Sponsored Faculty Development Programme on Inculcating Universal Human Values in Technical Education Organized by All India Council for Technical Education (AICTE) Microsoft Certified: Azure AI Fundamentals.

Ms. Reena Sharma

- Presented Paper entitled "A critical Analysis of face detection algorithm on video surveillance" in the International Conference on Global Entrepreneurship Trends and Empowerment Through Innovation (ICGETEI-2021)

- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur

- Attended AICTE & AQIS Sponsored Faculty Development Programme on Universal Human Values Organized by Department of Computer Engineering, PIET.

- Microsoft Certified: Azure AI Fundamentals.

Mr. MukeshKataria

- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.

- Attended ISTE Sponsored Faculty Development Programme on Smart Application of Nano Sciences for Innovative Engineering Aspects Organized by Department of Applied Science, PIET, Jaipur.

MR. MANISH DUBEY

- Published paper entitled "Comparative Analysis of Prediction Coronary Heart Diseases using different Data Mining Models" in the journal of Design Engineering.
- Presented a paper entitled "A Comparative Study of Cloud System Scheduling for Load Balancing" inInternational Conference on Computational Intelligence & Computing Applications.
- Presented a Paper entitled "Best practices of Machine Learning methods in the field of cyber security" in the International Conference on Artificial Intelligence.
- Presented Paper entitled "Cyber security Challenges during the COVID19 Pandemic: An efficient analysis of modern threats and trends in India" in Conference on Post COVID on life and livelihood.
- Attended TEQIP-III Sponsored Faculty Development Programme on Machine Learning & Data Science Organized by Rajasthan Technical University, Kota, Arya Institute of Engineering & Technology, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Blockchain and its Applications Organized by Rajasthan Technical University, Kota, & Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Practical Exposure on Image Processing Using MATLAB Organized by RTU, Kota, Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Mobile Robotics & Internet of Things Organized by Rajasthan Technical University, Kota, Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on CYBER SECURITY AND CYBER FORENSICS Organized by Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by RTU, Kota, PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on Image Processing and its Application Organized by Department of Computer Engineering, PIET.

Mr. Sakar Gupta

- Write a book chapter entitled "Smart Agriculture and farming Services Using IoT" in the book Smart Agricultural Services Using Deep Learning, Big Data, and IoT, IGI.
- Write a book chapter entitled "Internet of Things and Role of Wireless Sensor Network in IoT" in the book Smart Agricultural Services Using Deep Learning, Big Data, and IoT, IGI.
- Published Paper entitled "Wireless Sensor Network in IoT and Performance Optimization" in the journal Recent Advances in Computer Science and Communications.
- Attended TEQIP-III Sponsored Faculty Development Programme on Emerging Tools and Techniques in Communication Systems (ETTCS-2020) Organized by SKIT.
- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber Security and Cyber Forensics Organized by Rajasthan Technical University, Kota and PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by RTU, Kota, PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, PCE, Jaipur.

Mr. Vishal Choudhary

- Presented Paper entitled "An Intrusion Detection Technique Using Frequency Analysis for Wireless Sensor Network" in the International Conference on Computing, Communication, and Intelligent Systems (ICCCIS-2021).
- Published Paper entitled "The highly secure polynomial pool-based key pre-distribution scheme for wireless sensor network" in the Journal of Discrete Mathematical Sciences and Cryptography.
- Attended TEQIP-III Sponsored Workshop on Recent Advancement in Machine Learning and Artificial Intelligence Organized by Rajasthan Technical University, Kota, PCE, Jaipur.
- Microsoft Certified: Azure AI Fundamentals.

Ms. Neha Shrotriya

- Presented Paper entitled "A critical Analysis of face detection algorithm on video surveillance" inl Conference on Global Entrepreneurship Trends & Empowerment through Innovation (ICGETEI-2021).
- Attended TEQIP-III Sponsored Faculty Development Programme on CYBER SECURITY AND CYBER FORENSICS Organized by Poornima College of Engineering, Jaipur.
- Attended NITTTR Sponsored Faculty Development Programme on Data Analytics using Python Organized by Computer Science and Engineering Department NITTTR, Chandigarh.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, Poornima College of Engineering, Jaipur.

Mr. Manish Choubisa

- Presented a Paper entitled "Best practices of Machine Learning methods in the field of cybersecurity" in the International Conference on Artificial Intelligence.
- Presented Paper entitled "Cyber security Challenges during the COVID19 Pandemic: An efficient analysis of modern threats and trends in India" in the International Conference on Post COVID on life and livelihood.
- Presented a Paper entitled "General Review on infrastructure as a service (IaaS)" in the International Conference on Recent trends on computational intelligence and communication.
- Published Paper entitled "Enhanced Image Steganography Technique for Hiding Multiple Images in an Image Using LSB Technique" in the journal of Test Engineering and Management Published by: The Mattingley Publishing Co., Inc.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and AI Organized by RTU, Kota, Poornima College of Engineering, Jaipur.
- Attended AICTE and ATAL Sponsored Faculty Development Programme on Cyber Security Vulnerabilities & safeguard Organized by National Institute of Technical Teachers Training & Research Chandigarh.
- Attended AICTE Sponsored Faculty Development Programme on Developing R&D Techniques for Educational Institutes through Project Based Learning Organized by Department of Electrical Engineering, Poornima College of Engineering, Jaipur.
- Attended AICTE-AQIS Sponsored Faculty Development Programme on Sensor Networks, Internet of Things and Internet of Everything Organized by Department of Computer Science and Engineering.
- Participating in The Guinness World Record Event- Most users can take an online computer programming lesson in 24 Hours on April 24, 2021 by AICTE & GUVI.

Mr. Nimish Arvind

- Attended TEQIP-III Sponsored Faculty Development Programme on Cyber security and cyber forensics Organized by Poornima College of engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Trends and Application in Machine Learning and Deep Learning Organized by Poornima College of Engineering, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, Poornima College of Engineering, Jaipur.

Ms. Archika Jain

- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, Poornima College of Engineering, Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on Character Building Through Moral Values and Ethics (Phase-I) Organized by S.S. Jain Subodh PG College, Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on Character Building through Moral Values and Ethics (Phase-II) Organized by S.S. Jain Subodh PG College, Jaipur.
- Attended AICTE-AQIS Sponsored Faculty Development Programme on Artificial Intelligence and 5G Communication Technology Organized by Department of EC, Poornima College of Engineering, Jaipur.
- Microsoft Certified: Azure AI Fundamentals.

Mr. Dinesh Chand Gupta

- Attended TEQIP-III Sponsored Workshop on Recent Advancement in Machine Learning and Artificial Intelligence Organized by Rajasthan Technical University, Kota, PCE, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Enhancing the Teaching Learning Quality and ICT Tools Organized by RTU, Kota & Arya Institute of Engineering & Technology, Jaipur.
- Attended TEQIP-III Sponsored Faculty Development Programme on Robotics: A Learning Tool For Educational Transformation Organized by RTU, Kota AIET, Jaipur.

Dr. Sunil Gupta

- Attended TEQIP-III Sponsored Faculty Development Programme on Recent Advancement in Machine Learning and Artificial Intelligence Organized by RTU, Kota, Poornima College of Engineering, Jaipur.

A great bridge is a great monument which should serve to make known the splendour and genius of a nation; one should not occupy oneself with efforts to perfect it architecturally, for taste is always susceptible to change, but to conserve always in its form and decoration the character of solidity which is proper.

– Jean Peronnet

ELECTRONICS & COMMUNICATION ENGINEERING

VISION
To establish an acknowledged department of academics in the field of Electronics and Communication Engineering.

MISSION
- To equip students with strong foundations for continuing education in the field of EC.
- To provide quality education & to make the students entrepreneur and employable.
- To undertake research and development in the field of Electronics and Communication Engineering.

About The Department

- Electronics and Communication Engineering has gained importance in recent years due to its versatile application in every facet of engineering. It mainly deals with the principles of electronic devices and communication technologies along with the basic electronic components, design of circuits and systems. The branch also has a very close link with the computer field.

- The core academics are blended with necessary beyond the syllabus programs to give an extra edge to students, providing an ample scope for value based learning and result oriented inter disciplinary approach to students. In the field of Electronics Engineering, Engineers Design and Test Circuits that use the electromagnetic properties of electrical components such as resistors, capacitors, inductors, diodes and transistors to achieve a particular functionality. In designing an integrated circuit, electronics engineers first construct circuit schematics that specify the electrical components and describe the interconnections between them. When completed, VLSI engineers convert the schematics into actual layouts, which map the layers of various conductor and semiconductor materials needed to construct the circuit, for this purpose the department motivates the students to learn the beyond the syllabus programs and courses, since they are a part of electronics engineering.

- The department was accredited by the National Board of Accreditation (NBA) in the year 2009 followed by in the year 2015.Flourished laboratories (as per the guidelines provided by Rajasthan Technical University) have been provided to students for carrying out the practical's with a separate provision for research & development.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- The graduates will be competent enough to apply knowledge and skills to solve the real time problem.
- Graduates will work as a team in a diverse field and gradually move into leadership positions.
- Graduates will understand current professional issues, apply latest technologies and come out with innovative solutions for the betterment of the society.

Program Outcomes (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidiscipline-nary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO)

- Graduates possess the ability to understand and apply basic knowledge of core Electronics & Communication Engi-neering for the benefit of society.
- Graduates will be proficient to apply electronic modern IT tools for the design and analysis of complex electronic systems in furtherance to research activities.
- The ability to be adaptable to the multidisciplinary nature at the workplace, develop excellent Interpersonal Skills & Leadership qualities that benefits the individual & organization.

MESSAGE FROM HEAD OF DEPARTMENT

Poornima College of Engineering, Jaipur is a center of excellence where we nurture young talents in different fields of Engineering. The Electronics and Communication Engineering Department has a major emphasis of imparting technical training to encourage curiosity and innovativeness among the students and lay a foundation from where they can acquire quick learning ability and adaptively adapt to the fast-changing needs of the industry. The interaction between students and Faculty greatly enriches educational experience. Our department provides students with the opportunities to gain and use knowledge to build successful lives and careers.

Our faculty members are experts in the areas they teach. The faculty members are not only providing high quality education to the students, but also are immersed in cutting-edge research which covers almost all disciplinary areas of Electronics and Communication Engineering.

We emphasize teamwork to give opportunity to each student to benefit from the ideas of their classmates.

With the demand and Need of Industry we train the futuristic Engineers with Industrial Training/workshop of new technologies to compete and progress in this world.

Our placement records have always been very impressive, with the large number of students being placed year after year in highly reputed core companies and public sector units. Our alumni hold senior positions in industries as well as in academic institutions, both in India and abroad.

Dr. Garima Mathur

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Celebration of Independence Day & Faculty Felicitation	August 15, 2018	Mr. Durgesh Kumar
2.	Celebration of Engineers Day	September 15, 2020	Ms. Manisha Kumawat
3.	Teachers Day Celebration	September 05, 2020	Ms. Monika Surana
4.	IETE Foundation Day	November 2, 2020	Mr. Rajveer Marwal
5.	Hindi Diwas Celebration	September 14, 2020	Mr. Rakesh Kumar Goyal
6.	Unity Day Celebration	October 31, 2020	Mr. Avinash Sharma
7.	RTU (ATU)-TEQUIP-III Sponsored FDP on Mobile Robotics & Internet of Things	September 16 - 19, 2020	Dr. Garima Mathur Mr. Durgesh Kumar
8.	RTU (ATU)-TEQUIP-III Sponsored FDP on "Latent Mathematics in Sanskrit Context"	September 28-30, 2020	Dr. Garima Mathur Ms. Manisha Kumawat
9.	AICTE Sponsored STTP on Artificial Intelligence & 5G Communication Technology Part-I	October 05-10, 2020	Dr. Garima Mathur
10.	AICTE Sponsored STTP on Artificial Intelligence & 5G Communication Technology Part-II	October 26-31, 2020	Dr. Garima Mathur
11.	AICTE Sponsored STTP on Artificial Intelligence & 5G Communication Technology Part-III	December 07-12, 2020	Dr. Garima Mathur

Apple in Education- Products & Solution:

Mr. Anand works as an AGM, Radius system Private Ltd. He will be defined in two words as "Fitness Freak & Technocrats". Mr. Anand is a well-known personality in Apple Ecosystem as he believes in delivering ethics along with technical solutions to any organization. He promotes "Free Education" to the needy persons and spends some time at weekends in slum areas to help the kids in their education & daily needs.
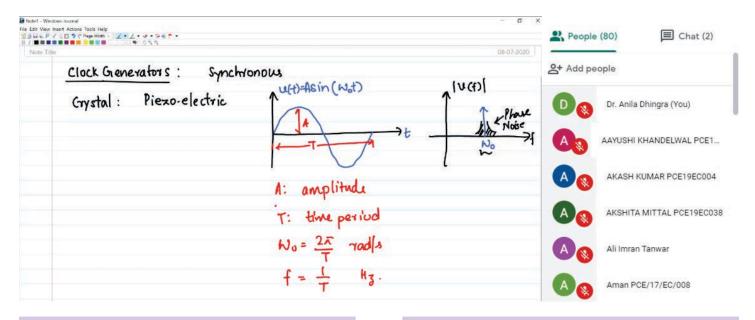
Department of Electronics & Communication Engineering, PCE, Jaipur, organized a one-day National Level Webinar on "Apple in Education- Products & Solution", on June 18, 2020.

All Reconfigurable Digital Phase Locked Loop:

Department of Electronics & Communication Engineering, PCE, Jaipur, organized a one-day National Level Webinar on "All Reconfigurable Digital Phase Locked Loop" on July 8, 2020 by Dr. Saurabh Saxena, Assistant-Professor, Department of EE, IIT, Madras at 2:00 PM.

The main objective of this webinar was to demonstrateall-digital phase-locked loop (ADPLL) for wireless applications. Dr. Mahesh Bundele, Director, PCE, Jaipur and Mr. Pankaj Dhemla, Vice Principal, PCE, Jaipur gave welcome address and brief description about the webinar. Speaker took an interactive session with participants. He said that it replaces conventional phase/frequency detectors and charge pumps with a time-to-digital converter (TDC). Analog frequency tuning of a VCO is replaced with an all- digital tuning of a digitally-controlled oscillator (DCO). Due to its digital intensive structure, the ADPLL is well suited for single-chip radio solutions fabricated using state-of-the- art low cost and power nanometer-scale CMOS processes. . He also explained about DSP based technique for the fully dynamic control of the ADPLL settling performance that allows the loop band width to be seamlessly widened or narrowed allowing for fast frequency acquisition or tracking with excellent phase noise and spurious performance, respectively. . Session was so informative and nicely presented. After this wonderful session a query session was conducted to resolve the doubts of participants. At last vote of thanks was delivered by Dr. Garima Mathur, HOD, ECE.

Gender Equality and Women Rights :

The session was delivered by two Speakers:

1. Dr. Sanjula Thanvi, Associate Prof. & Director, University Five Year Law College, University of Rajasthan, Jaipur.

2. Dr. Namita Jain, HOD & Assistant Professor, School of Law, JECRC University, Jaipur.

On July17, 2020 i.e, on Friday a webinar on "Gender Equality and Women's Rights" was organized in Poornima College of Eng. & Technology in Association with RTU, Kota

The event was started with Dr. Garima Mathur, HOD, ECE, PCE. She gave Introduction of webinar and welcomed the dignitaries and participants.After her introduction Dr. Mahesh M. Bundele, welcomed Dignitaries and speakers also shared his words of wisdom. After Director PCE, (Dr.) R.A. Gupta, Hon'ble Vice Chancellor of RTU, Kota addressed all the gatherings. His presence and words of speech motivated the crowd. He explains his own beliefs on Gender equality.After the session of Hon'ble VC sir Dr. Shuchi Dave, Chairperson PWWA & WISE interact with the gathering &give the Introduction of speaker- I and II. After the speeches of speakers, a query session held and event was ended with the vote of thanks by Dr. Shuchi Dave, Chairperson PWWA & WISE, PCE.

Thermoelectric Cooling Technology for defense& Consumer Applications

Department of Electronics & Communication Engineering, PCE, Jaipur, organized a one-day National Level Webinar on "Thermoelectric Cooling Technology for defense& Consumer Applications", on Saturday, July 11, 2020. The session was delivered by Mr. Hemant Sharma, senior Technical Assistant, Solid State Physics Laboratory (SSPL), defense Research & Development Organization (DRDO), Ministry of defense, Government of India. Worked as Technical Assistant in Solar Energy Centre, Ministry of New and Renewable Energy, Government of India, for 4 and half years.

ENDEAVORS

DR. GARIMA MATHUR

- Attended Webinar on Higher Education in India in the Post COVID-19, 5-Jun-21, SRM University-AP
- Attended Webinar on Product Demonstration of Gradescope, 27-May-21, Turnitin
- Attended Webinar on Best Practices for Effective Assessment, 27-May-21, Turnitin
- Attended Webinar on Optimization and Control Design Techniques: Innovations and Challenges, 27-May-21, Turnitin
- Attended Hands on session on Interfacing of Digital and analog I/O Devices with Node mcu, Controlling Devices using mobile application, Department of Electronics Engineering, Rajasthan Technical University, Kota
- Attended Webinar on 5 G Communication and Role of AI in 5G, 27-May-21, Turnitin
- Attended Webinar on AI enabled augmented analytics for BI, 27-May-21, Turnitin
- Attended Latent on Mathematics in Sanskrit Context, Department of Electronics Engineering, Rajasthan Technical University, Kota, 2-May-21
- Attended Webinar on Image Processing and its Application, Department of Electronics Engineering, Rajasthan Technical University, Kota
- Attended Webinar on Advancements in Signal Processing and Optimization Techniques in WSN, CMR Institute of Technology, Bangalore27-june-21
- Attended Webinar on Mobile Robotics & Internet of Things, PIET, Jaipur2-aPRIL-21

DR. SHUCHI DAVE

- Attended AICTE STTP on Data analysis python and R, REST Society for Research International (RSRI) on 31 May-4 June 2021
- Attended Webinar on Satellite Remote Sensing and GIS: Basic Concepts and Its Applications, JAIPUR ENGINEERINGCOLLEGE AND RESEARCH CENTRE on 31May -1 June 2021
- Attended Webinar on Artificial Intelligence & 5G Communication Technology, Sponsored by AICTE-AQIS, New Delhi &organized by PCE,Jaipur on April 26- May 01, 2021.
- Attended Webinar on Computational Modeling in Mathematics, JAIPUR ENGINEERINGCOLLEGE AND RESEARCH CENTRE on 8-12 February 2021.
- Attended Webinar on TEACHING-LEARNING USING MATLAB, Sponsored by AICTE-AQIS, New Delhi &organized by PCE,Jaipur on November 24th – 28th , 2020.
- Attended Webinar on Latent Mathematics in Sanskrit Context under, Sponsored by AICTE-AQIS, New Delhi &organized by PCE,Jaipur on September 28-30, 2020
- Attended Webinar on MOBILE ROBOTICS & INTERNET OF THINGS, JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE on September 16-19, 2020

DR. PAYAL BANSAL

- Attended Hand-on session in drafting & filling procedure of Intellectual property Rights on 3-7 May 2021organized by Arya College of Engineering, Jaipur raj.
- Attended AQIS on Optimization and Control Design Techniques: Innovations and Challenges on May 24-29 , 2021 by RTU, KOTA
- Attended FDP on Recent Trends and opportunities for Research in Electronics and Computer Science Engineering Leadership & Excellence by Goa College of Engineering.

DR. ANILA DHINGRA

- Attended Webinar on Wireless Embedded Systems and Sensor Networks, Araya College of Engineering, Jaipur raj. On 1-5 June, 2021
- Attended Webinar on Optimization and Control Design Techniques: Innovations and Challenges, Poornima College of Engineering,Jaipur on 24-29 May, 2021
- Attended Webinar on Soft Skills at the Workplace: Developing Right Attitude, Etiquette and Communication on 17-21 May, 2021
- Attended Webinar on Computer Science & Biology teaching, Araya College of Engineering, Jaipur raj.
- Attended Webinar on Cyber Security - Current Trends and Future Perspective, Poornima College of Engineering,Jaipur on 22-26 March,2021
- Attended Webinar on AI and 5G Communication Technology, Poornima College of Engineering, Jaipur on 22-26 March,2021
- Attended Webinar on Signal Processing and optimization in WSN on 14-19 Dec., 20207-12 Sep., 2020
- Attended Webinar on Mobile Robotics and Internet of things on 1-5 September, 2020
- Attended Webinar on Image Processing and its Applications Energy on 18 - 22 August, 2020
- Attended Webinar on Big data analytics and deep learning on 02-06 November 2020

MANISH SHARMA

- Attended Webinar on Next Generation Techniques in Wireless Communication on 02-06 November 2020 by Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh, India
- Attended Webinar on Artificial Intelligence & 5G Communication Technology on 05-10 October 2020
- Attended Webinar on Mobile Robotics & IOT on 16-19 Sep. 2020 by Poornima College of Engineering, Jaipur
- Attended Webinar on Master Class on Electric Vehicle Design Using MATLAB on 03-07 May 2021 by Poornima College of Engineering, Jaipur
- Attended Webinar on Optimization and Control Design Techniques: Innovations & Challenges on 24-29 May 2021 by Pantech Solutions

MANISHA KUMAWAT

- Attended Webinar on GEOINFORMATICS AND WEB TECHNOLOGIES on 18-05-2021 to 22-05-2021 organized by BANASTHALI VIDYAPITH
- Attended Webinar on How should Students Projects Foster IPRs on 21-05-2021 organized by SRM TRP Engineering college
- Attended Webinar on Robotics Vision on 7-05-2021 to 8-05-2021 organized by Pantech E-learning,Chennai
- Attended Webinar on Cloud Computing on 7-06-2021 to 12-06-2021 organized by EICT Academy IIT Kanpur

TARUN MISHRA

- Attended Webinar on Image Processing & its Application on 24th to 29th Aug., 2020 organized by PIET, Jaipur
- Attended Webinar on Mobile Robotics & Internet of Things on 16-19 Sep., 2020 organized by PIET, Jaipur
- Attended Webinar on Artificial Intelligence and 5G Communication Technology on 5-10 October, 2020 organized by PCE, Jaipur
- Attended Webinar on Advancements in Signal Processing and Optimization Techniques in WSN on 21st to 25th September, 2020 organized by PCE, Jaipur
- Attended Webinar on Optimization and Control Design Techniques: Innovations and Challenges on 24th to 28th May, 2021 organized by Department of Electronics Engineering, Rajasthan Technical University, Kota

DEPARTMENT OF ELECTRICAL ENGINEERING

VISION

To be a model of excellence in Professional Education and Research by creating electrical engineers who are prepared for lifelong engagement in the rapidly changing fields and technologies with ability to work in a team.

MISSION

To provide a dynamic environment of technical education wherein students learn in collaboration with others to develop knowledge of basic and engineering sciences. To identify and strengthen current thrust areas based upon informed perception of global societal issues in the electrical and allied branches. To develop human potential with intellectual capability who can become a good professional, researcher and lifelong learner.

About The Department

The Journey of the Department of EE was started in 2000 with PCE, Jaipur. The department has its major share in the entire PF with the total intake of more than 600 students. We are providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. The department comprises 30 faculty members, technical officers and technical assistants. The department has organized various workshops, seminars, expert lectures in this session i.e. workshop on PLC SCADA, MATLAB, Renewable Energy, Industrial Automation, etc. The department of Electrical Engineering has renowned scholars as the faculty members for imparting knowledge. The department also organized industrial visits for each and every student of II year during even semester of the current session to BSNL Training Institute, VKI, Jaipur. The department has been taking initiatives for versatile enhancement of the students through technical, cultural and sports fests since the establishment. Most of our final year students have been placed in Infosys, Capgemini India Ltd., FACE, Gram Power, Adani Power, KSTPS, Pinnacle Infotech solutions, etc.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will have the ability to formulate, analyze and apply the design process using the basic knowledge of engineering and sciences to solve complex electrical engineering problems.
- Graduates will exhibit quality of leadership, teamwork, time management, commitment towards addressing societal issues of equity, public and environmental safety using modern engineering tools.
- Graduates will possess dynamic communication and have successful transition into a broad range of multi-disciplinary career options in industry, government and research as lifelong learners.

PROGRAM OUTCOMES (PO)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **Conduct investigations of complex problems:** Use research-based knowledge & research methods including design, interpretation of data, & synthesis of the information to provide valid conclusions.

- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- **Environment and sustainability:** Understand the impact of the professional engineering solutions environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO)

- Graduatespossess the ability to apply fundamental knowledge of basic sciences, mathematics and computation to solve the problems in the field of electrical engineering for the benefit of society.

- Graduate spossess the ability to professionally communicate and ethically solve complex electrical engineering problems using modern engineering tools.

- Graduates possess sound fundamental knowledge to be either employable or develop entrepreneurship in the emerging areas of renewable and green energy, electric and hybrid vehicles and smart grids and shall be susceptible to life- long learning.

MESSAGE FROM HEAD OF DEPARTMENT

The Department of Electrical Engineering under Poornima college of Engineering, Jaipur was established in the year 2000. The department runs under graduate program B.Tech to cater to the ever challenging needs of technical excellence in all areas of electrical engineering. The department has well qualified and committed faculties with specialization in the areas of Power Systems, Power Electronics, Electric Drives, Renewable Energy and Smart Grid Automation etc. to guide and mentor the students' community. The Department of EE is well equipped with state-of-the-art equipment and Laboratories. Conducive environment exists in the department for both staff and students. Department is bound to impart knowledge in EE to develop professionals and leaders to meet the global challenges and to be socially responsible. To encourage research and personal development of students, IEEE (USA) student chapter is established. The department provides high quality placements with the maximum salary package reaching to 12 LPA.

The department equips the students with the required technical skills and knowledge required to face the real time professional challenges and also works on their overall personality development through various Professional Body activities and extra and co-curricular activities. The research activity of the department includes fundamental research, sponsored and consultancy projects are carried out with active participation of the students, faculty, staff and research engineers.

Department also has a 200KW "Solar Power Plant" in operation. "Center of Excellence" in the institute is the most attractive place for the students who are interested in innovation and to showcase their skill. The Department of Electrical Engineering is bound to organize workshops, FDP's, tutorial sessions, Industry expert talk for the exponential development of our Poornima Students. In-order to gain industrial exposure, internships to the students are made mandatory which definitely will prepare the students to be industry ready.

Only one piece of advice I would like to share: Success in life is not measured against having a hefty pay package, it is also in having a lovable family, faithful friends and a warm social circle. We should practice to live life sincerely and not seriously. With this, I would like to extend my heartfelt gratitude and best wishes to the entire fraternity and request every individual to be a part of our Poornima family.

Best wishes,

Dr. Virendra Sangtani

MULTIFARIOUS ACTIVITIES

- A one week faculty development program on "Machine Learning & Deep Learning Techniques with its Applications" from August 18-22, 2020. Sponsored by IEEE Rajasthan sub section.

- A one week faculty development program on "Recent Advances in Power Electronics Drive and Renewable Energy" from September 15-19, 2020. Sponsored by TEQIP-III. Dr. Yogesh d. Sonawane, Assistant General Manager, Reliance Industries Limited, Mumbai was the guest of honor.

- A one week STTP on "Developing R&D Culture in Educational Institutes through Project Based Learning" from October 19-24, 2020, Dec 14-19, 2020 and March 01-06, 2021 sponsored by AICTE quality improvement scheme.

- A FDP on "Recent Trends and Advances in Renewable Energy Sources" from February 18-22, 2021 sponsored by TEQIP-III.

- A seminar on teacher's day organized by Mrs.Ekata Sharma on September 5, 2020.

Lecture on "PCB Designing": Pranav Pratap (IV-year EE) presented a Lecture on "PCB Designing " which proved to be a very knowledgeable and interactive session. Students became aware of how to design a PCB. Also, he explained in detail the various applications of PCB designing in various fields. Students benefited a lot from these sessions.

Engineer's Day Celebration on September 15, 2020 :

An event called "Engineers Day" is celebrated in the Electrical Engineering Department. In India, we celebrate National Engineer's Day on September 15. Our Guest Mr. Gurkirat Singh, General Manager, R&D, NEI Ltd shared his vast industrial experience as an engineer with the students. He also made everyone aware about the role of engineers in implementation of latest technologies in day-to-day life. He even highlighted the importance of core branch engineers in development of technology. His session was an enlightening session where students were made aware of how to manage time while working in industry and also to inculcate ethics, morals in life to become a successful engineer.
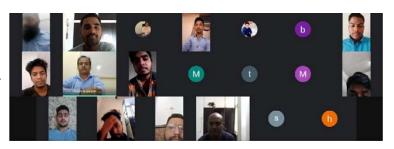
One week FDP on "Recent Advances in Power Electronics Drive and Renewable Energy" from September 15-19, 2020 : Applications of power electronics are expanding at a high pace in industrial power generation, utility, grid integration, and transmission environments due to the advancements in technology and reduction in cost and size of the components and systems. The growth of power electronics starting from semiconductor type switching devices to various multistage topologies which will extensively contribute to the development and growth of renewable energy resources around the globe.

Rashtriya Ekta Diwas Celebration on Oct. 31, 2020: The birth anniversary of Sardar Vallabhbhai Patel is being observed as 'Rashtriya Ekta Diwas' (National Unity Day) on 31st October 2020. The occasion provides us an opportunity to reaffirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security of our country. Dr. Praveen Sonwane addressed the gathering and explained the importance of Rashtriya Ekta Diwas and Role of Sardar Vallabh bhai Patel.

Five days FDP on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)" from Jan. 20-24, 2021: Solar power is the conversion of energy from sunlight into electricity, either directly using photovoltaic, indirectly using concentrated solar power, or a combination. Concentrated solar power systems use lenses or mirrors and solar tracking systems to focus a large area of sunlight into a small beam. Various new trends and research are ongoing in this direction. Wind power or wind energy is the use of wind to provide mechanical power through wind turbines to turn electric generators for electrical power.

Five days FDP on "Recent Trends and Advances In Renewable Energy Sources" from February 18-22, 2021: Renewable energy is now the least-cost option in the power sector. Switching to renewable power is a no-brainer. Progress is slow in the two larger sectors, heating/cooling and transport. Governments continue to subsidize fossil fuels and keep regulatory frameworks in place, which support centralized, high-carbon energy production and consumption. Renewable energy had another record-breaking year in 2019, as installed power capacity grew more than 200 GW. This was the biggest increase ever. Capacity installations and investment continued to spread to all corners of the world.

Webinar on "Industrial Automation in Cement Industry" on May 29, 2021 : The objective of this webinar was to discuss the "Industrial Automation in Cement Industry" with the Second Year Engineering Students. Expert Mr. Kartavya Jain, Corporate Trainer, Seldom, Jaipur. having nearly 10 years of professional experience in the automation field. He shared about his academic experience from India and the focus area of Intelligent controllers and smart grid.

ENDEAVORS

DR. VIRENDRA SANGTANI

- Organizing Member in Five Days Workshop on "Current Trends In Solar And Wind Technologies (CTSAWT-2021)" January 20-24, 2021. Sponsored PCE Jaipur, Rajasthan.
- Organizing Member in TEQIP-III SPONSORED One Week FDP on "Recent Trends and Advances in Renewable Energy Sources" on February 18-22, 2021.
- Organizing Member in Five Days Workshop on "Recent Advances in Power Electronics Drive and Renewable Energy" September 15-19, 2020. Sponsored PCE Jaipur, Rajasthan.

DR. PRAVIN SONWANE

- Organizing Member in Five Days Workshop on "Current Trends In Solar And Wind Technologies (CTSAWT-2021)" January 20-24, 2021. Sponsored PCE Jaipur, Rajasthan.
- Attended ATAL FDP on "Design Thinking" during 2020-9-21 to 2020-9-25, organized by KK Wagh Institute of Engineering Education and Research.
- Attended ATAL FDP on "Academic Leadership in Higher Education" during 2021-05-17 to 2021-05-21, organized by CENTRAL UNIVERSITY OF RAJASTHAN.
- Attended 4-days online workshop on "TRAIN THE TRAINERS ON EXAMINATION REFORMS" during 4-7 DEC 2020, KLE TECHNOLOGICAL UNIVERSITY.
- Attended Faculty Development Program on Recent Advances in Power Electronics Drive and Renewable Energy during 15/09/2020 to 19/09/2020, organized by RTU & EED, PCE, Jaipur.

DR. MD ASIF IQBAL

- Published paper entitled "Comparative analysis between numerical simulation of PPV/PCBM and InGaN based solar cells" Materials Today: Proceedings. 10.1016/j.matpr.2020.05.519. (Scopus Indexed).
- Published paper entitled "TCAD Based Simulation and Performance Optimization of PPV/PCBM and Perovskite PV cells" International Journal of Computing and Digital Systems 10 (2020): 2-7. (Scopus Indexed).
- Published paper entitled "Optimization of Hybrid Renewable Resources for An Isolated Region" Published in International Online Conference On Emerging Trends In Multidisciplinary Research (ETMDR - 2020) on July 23-25, 2020 (Scopus Indexed Conference).
- Published paper entitled "Investigation and assessment of TCAD based Modeled and Simulated PPV/ PCBM bulk hetero junction Solar Cells" International Conference on Computational Intelligence and Emerging Power System on March 10, 2021 (Springer Book Series).
- Published paper entitled "Investigations on Performance of AI based System for Highways "Published in Turkish Journal of Computer and Mathematics Education (TURCOMAT) on May 30, 2021
- Organizing Member in 3 Days Workshop on "Recent Advancements in Soft Computing And Optimization Techniques For Smart Engineering Systems" 2020 Sponsored DST, Rajasthan.
- Organized TEQIP-III SPONSORED One Week "Student Excellence & Learning Program" (SELP) as Host Institute Coordinator on February 22-27, 2021
- Organized TEQIP-III SPONSORED One Week FDP on "Recent Trends and advances in Renewable Energy Sources" on February 18-22, 2021.
- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.

DR. DEEPIKA CHOUHAN

- Published paper entitled "A MATLAB Simulator for Electric Drive Vehicle to Grid Implementation", International Journal for Research in Applied Science & Engineering Technology (IJRASET).
- Published paper entitled "Implementation of Optimal Modeling for Water Supply Pipe Network" IJAEM DOI: 10.35629/5252-03062329.
- Published paper entitled "An Approach to Solar Energy Monitoring System Using IoT", International Journal of Innovative Research in Science, Engineering and Technology.
- Published paper entitled "Effectiveness of IQAC In Quality Enhancement of Teaching, Learning and Evaluation" The Journal of Oriental Research Madras ISSN: 0022-3301 | MAY 2021 pp-358-364.
- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.
- Attended Faculty Development Programme on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)", 16/01/2021 to 20/01/2021 Organized by PCE Jaipur.
- Attended RTU Sponsored Faculty Development Programme on "Recent Advances in Power Electronics Drive and Renewable Energy", 15/09/2020 to 19/09/2020 Organized by PCE Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning", 19/10/2020 to 24/10/2020 Organized by PCE.
- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning)", 1/03/2021 to 06/03/2021 Organized by PCE Jaipur.

DR. DEVENDRA KUMAR DODA

- Published paper entitled "Economic and Environmental Impact Analysis of Hybrid Generation System in Respect to Rajasthan", Environmental Science and Pollution Research, Vol. 28, pp 3906–3912, July, 2020. https://doi.org/10.1007/s11356-020-10041-6 (SCI Indexed).
- Published paper entitled "Financial Feasibility of Solar PV Lanterns for Households of a Remote Village Cluster without Access to Electricity", International Journal of Environment and Sustainable Development (ESCI Indexed).
- Published paper entitled "Renewable Energy based Energization for Overall Demand Satisfaction of Rural Areas without Electric Grid: Case of a Village Cluster in Rajasthan, India", Environment, Development and Sustainability, Accepted, Article Id: ENVI-D-20-00626R1, (SCIE Indexed).
- Published paper entitled "Techno-economics of Solar Cooking of Mid-Day Meals in an Un-electrified Village Cluster in the State of Rajasthan, India", Environment, Development and Sustainability, Communicated, Article Id: ENVI-D-20-00554, (SCIE Indexed).
- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.
- Attended RTU Sponsored Faculty Development Programme on "Recent Trends and Advances in Renewable Energy Sources", 18/2/2021 to 22/2/2021 Organized by PCE Jaipur.
- Attended RTU Sponsored Faculty Development Programme on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)", 16/1/2021 to 20/1/2021 Organized by PCE Jaipur.
- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning", 1/03/2021 to 06/03/2021 Organized by PCE Jaipur.
- Attended webinar on "Academic Integrity and the Role of the Similarity Report" 23/04/2021 Organized by Turnitin New Delhi.

DR. GAURAV SRIVASTAVA

- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Recent Trends and Advances in Renewable Energy Sources", 18/2/2021 to 22/2/2021 Organized by PCE Jaipur.

DR. PANKAJ GAKHAR

- "Awarded Best Paper Published" paper entitled "A Whale optimization algorithm Based FO-PI Controller for PQ enhancement in a grid tied SPV System", International conference on Recent Advance in Renewable Energy Sources (RARES 2021), Feb, 2021.

- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)", 16/1/2021 to 20/1/2021 Organized by PCE Jaipur.

DR. GAURAV JAIN

- Published paper entitled "Failure Analysis of 30 bus System by Capacitor Sizing and Placement", Proceedings of the 5th IEEE International Conference on Recent Advances and Innovation in Engineering (01-03 DEC. 2020), Poornima College of Engineering Jaipur.

- Published paper entitled "Smart Modern AC Microgrid Monitoring System using Power Line Communication", Proceedings of the 5th IEEE International Conference on Recent Advances and Innovation in Engineering (01-03 DEC. 2020), Poornima College of Engineering Jaipur.

- Published paper entitled "Advance Water Quality Monitoring System Using Solar Power", Proceedings of International Journal for Research in Applied Science & Engineering Technology, vol.9, no.6, pp.4136-4141, June 2021. (ISSN 2321-9653 (Online)).

- Published paper entitled "Analyse the Effects of Partial Shading Conditions on Solar Photovoltaic Panels", Proceedings of International Journal for Research in Applied Science & Engineering Technology, vol.9, no.6, pp.4156-4161, June 2021. (ISSN 2321-9653 (Online)).

- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.

- Attended faculty development program on "Emerging Trends in Power Electronics and Power System" organized at O P Jindal University Raigarh from 24th-29th Aug 2020.

- Attended faculty development program on "Recent Advancement in Power Electronics Drive & Renewable Energy" organized at Global Institute of technology Jaipur from 11th-15th Sep 2020.

- Attended AICTE Sponsored faculty development program on "Developing R&D culture in Educational Institutes through Project Based learning (Part - 1)" organized at Poornima College of Engineering Jaipur from 19th-24th Oct 2020.

- Attended faculty development program on "Integration of Renewable Energy Sources" organized at Arya College of Engineering & IT, Jaipur, Rajasthan from 02nd-07th Nov 2020.

- Attended AICTE Sponsored faculty development program on "Developing R&D culture in Educational Institutes through Project Based learning (Part - 2)" organized at Poornima College of Engineering Jaipur from 14th-19th Dec 2020.

- Attended faculty development program on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)" organized at Poornima College of Engineering Jaipur from 20th-24th Jan 2021.

- Attended RTU Sponsored faculty development program on "Advances Trends in Electrical Engineering" organized at Arya College of Engineering & I.T. Jaipur from 24th-28th Feb 2021.

- Attended webinar & Received Certificate on "Academic Integrity and the Role of the Similarity Report" 23/04/2021 Organized by Turnitin New Delhi.

- Attended webinar & Received Certificate on "Demonstration of the Turnitin Feedback Studio" 29/04/2021 Organized by Turnitin New Delhi.

- Attended webinar & Received Certificate on "Best Practices for Effective Assessment" 19/05/2021 Organized by Turnitin New Delhi.

- Attended webinar & Received Certificate on "Product Demonstration of Gradescope" 27/05/2021 Organized by Turnitin New Delhi.

MR. BRIJRAJ SINGH SOLANKI

- Published paper entitled "An Impact of Different Uncertainties and Attacks on the Performance Metrics and Stability of Industrial Control System," in Communication and Intelligent Systems.

- Attended RTU Sponsored Faculty Development Programme on "Recent Trends and Advances in Renewable Energy Sources", 18/2/2021 to 22/2/2021 Organized by PCE Jaipur.

- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning", 19/10/2020 to 24/10/2020 Organized by PCE

- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning", 1/03/2021 to 06/03/2021 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Machine Learning and Deep Learning Techniques and its application", 18/8/2020 to 22/8/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Recent Advances in Power Electronics Drive and Renewable Energy", 15/09/2020 to 19/09/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Inculcating Universal Human Values in Technical Education", 12/10/2020 to 16/10/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Advancements in Signal Processing and Optimization Techniques in WSN", 21/9/2020 to 25/9/2020 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Computational Mathematics for Engineers and Researchers", 10/7/2020 to 12/6/2020 Organized by PCE Jaipur.

- Attended webinar & Received Certificate on "Technical Writing: Tips, Tricks, and Tools" 10/10/2020 Organized by JIS University.

MR. MAYANK SHARMA

- Published conference paper entitled "New Designs and Analysis of Multi-Core Photonic Crystal Fiber Using Ellipse with Different Radiuses and Angles" International Conference on Artificial Intelligence: Advances and Applications 2019 proceedings Published © Springer Nature Singapore Pte Ltd. 2020. First online: 29 February 2020. DOI: 10.1007/978-981-15-1059-5_18.

- Published Journal paper entitled "Design of a Planar Ultra-Wide Band Antenna Structure using Stepped Contours" Turkish Journal of Computer and Mathematics Education (TURCOMAT), Vol. No.: 12, No.: 6, Page No.: 3875-3881, e-ISSN 1309-4653 (Scopus)

- A patent application has been filed on "A RMSA design for ultra-wide band applications using beveled corners" Indian patent 202011028498, published on 14 August, 2020.

- A patent application has been filed on "A RMSA design for ultra-wide band applications using stepped corners" Indian patent 202011043727, published on 23 October, 2020.

- Attended RTU Sponsored Faculty Development Programme on "Recent Advances in Power Electronics Drive and Renewable Energy", 27/07/2020 to 29/07/2020 Organized by SKIT Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Recent Advances in Power Electronics Drive and Renewable Energy", 15/09/2020 to 19/09/2020 Organized by PCE Jaipur.

- Attended AICTE Sponsored Faculty Development Programme on "Developing R&D Culture in Education Institute through Project based learning", 19/10/2020 to 24/10/2020 Organized by PCE

- Attended Faculty Development Programme on "Current Trends in Solar and Wind Technologies (CTSAWT-2021)", 16/01/2021 to 20/01/2021 Organized by PCE Jaipur.

- Attended RTU Sponsored Faculty Development Programme on "Emerging Trends in Organic Electronics (ETOE-2020)", 18/2/2021 to 22/2/2021 Organized by PCE Jaipur.

MR. MAHESH MEENA

- Attended RTU Sponsored Faculty Development Programme on "Inculcating Universal Human Values in Technical Education", 12/10/2020 to 16/10/2020 Organized by PCE Jaipur.

GENERATION — TRANSMISSION — DISTRIBUTION — CONSUMPTION

DEPARTMENT OF INFORMATION TECHNOLOGY

VISION

To attain distinction in education to enable students for their establishment as globally competent professionals and empowering them with proficiency, knowledge and research ability required to be successful in the field of Information Technology.

MISSION

- To provide state-of-the-art facilities with modern IT tools to students and faculty thereby enabling them to develop sustainable solutions for real world problems.
- To create and propagate knowledge in the field of Information Technology through research, teaching and learning for meeting societal challenges.
- To inculcate analytical, leadership and team working skills with ethical behavior in students and provide an environment for continuous learning.

About The Department

The Department of Information Technology was established in 2001. The study of IT basically deals with application of computational technologies for storage, retrieval, transmission and manipulation of the information which is processed data. Both software and hardware sectors are parts of Information Technology. Due to the importance and reputation of IT, the present age is sometimes referred to as the IT age. Department caters to the current needs of UG engineering programs in IT by providing state of art infrastructure.

The Department aims to provide both theoretical as well as practical know-how to its students and make them employable and ready for industry intake. The department has produced excellent IT engineers who are serving in different reputed organizations and pursuing higher studies at institutes of excellence.

Some of the demanding courses offered by the program include AI, Machine Learning, Big Data Analytics, and IoT. To enhance the interdisciplinary knowledge of the students the program encompasses different open elective courses which are offered by other engineering branches. The class lectures, laboratory experiments and student projects prepare the students for a career in software industry and for future post graduate studies.

The faculty members regularly participate in seminars and training programs organized within and outside the college for up gradation of knowledge and to keep-up with the pace of global competition. Students have also chosen their technical focus areas and built up their knowledge and expertise in that direction by attending relevant workshops, seminars, conferences and developing small projects under faculty guidance.

Students of the department have excelled in their assignments in different organizations over the years. This fact is substantiated by the excellent placement records and the fact that large numbers of prestigious multinational companies are visiting the college for placements.

The department has a strong alumni network, many of whom are serving in influential positions in the multinational IT industry, academia, Govt. and public sectors.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will perform effectively as individuals and team members of multidisciplinary projects to create innovative and sustainable solutions for societal problems, meeting with global challenges and emerging trends.
- Graduates will possess core competence in Information Technology and allied engineering fields thereby maintaining the leading positions in industry and/ or excel in higher studies.
- Graduates will exhibit professionalism, ethical attitude, communication ability, spirit of entrepreneurship and adapt to current advancements through research ability and lifelong learning.

PROGRAM OUTCOMES (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES (PSO)

- Analyze, design and develop efficient algorithms and software applications to deploy in a secure network enabled environment meeting ever changing societal needs in economically acceptable terms.
- Comprehend and apply knowledge of contemporary areas in Information Technology viz. Cloud based technologies, Machine Learning, Data Analytics, IOT and Network and Cyber Security to develop creative software solutions for automation of various industrial requirements.
- Exhibit familiarity and practical competence in modern programming languages and open source platforms so as to develop innovative projects related to business applications.

MESSAGE FROM HEAD OF DEPARTMENT

Welcome to the Department of Information Technology at Poornima College of Engineering, Jaipur. In this pandemic situation, the Department of IT was at the forefront to plan and execute quality delivery in online mode. The faculty members promptly upgraded themselves to new online platforms to maintain the quality of lecture delivery and were experimenting new ways for sharing instructional material, assessing theory and practical subjects, guiding on projects, mentoring students etc. I appreciate the coordinated efforts made by the students not only for their active participation in routine academic and other curricular and extra- activities but also for utilizing the time for self-development through various online platforms available.

The primary focus of the department is to empower its students with overall development and necessary skills to meet academic and industry needs. Department provides a platform for the students to enhance their employability skills through various training programs and industry institute collaboration.

The faculty members are engaged in research and development activities and regularly participate in conferences, seminars, and faculty development programs within and outside the college through a well-supported system.

I congratulate the 2021 Batch for achieving excellent placements this year and also confident that our students will be regarded as assets to the organizations they serve in future.
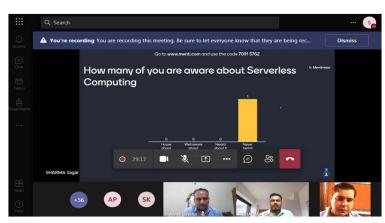
Mr. Amol Saxena

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Orientation	July 1-4, 2020	All Faculty Members
2	Career Oriented Session Taken by Aparna Tyagi, Pursuing MBA from Symbiosis Institute of Mgmt. Studies, Pune	July 2, 2020	Ms. Shazia Haque
3	Alumni Session Taken by Vrinda Goyal, Quality Engineer, Cvent Technoogies, Gurgaon	July 3, 2020	Ms. Sita Gupta
4	Alumni Session Taken by Aniruddh Agarwal, Founder & CEO, Extern Labs Private Limited, SF-43C, JTM Mall, Jaipur	July 4, 2020	Mr. Amol Saxena
5	Teachers Day Celebration	September 5, 2020	Ms. Sita Gupta
6	WISE Activity - Session on Women's Empowerment	September 14, 2020	Ms. Sita Gupta
7	Engineers' Day	September 15, 2020	Dr. Nitesh Kaushik
8	Mahatma Gandhi & Lal Bahadur Shastri's Jayanti Celebration	October 2, 2020	Mr. Sandeep Bhargava
9	RTU TEQIP-III Sponsored 5-Day Workshop on Introduction to Python Programming	January 25-29, 2021	Mr. Amol Saxena Mr. Shirish Nagar
10	Alumni Session by Arun Parmar, Working as Sr. Salesforce Developer at GraphiteRx Inc., Pune	February 19, 2021	Ms. Shazia Haque
11	One-Day Expert Lecture by Industry Personnel on Cloud Computing and Blockchain	February 25, 2021	Mr. Sandeep Bhargava
12	WISE Activity - International Women's Day Celebration	March 8, 2021	Ms. Sita Gupta
13	1-Day Expert Lecture on 5G Future of Telecom Industries	March 15, 2021	Dr. Nitesh Kaushik
14	One-Day Expert Lecture by Industry Personnel on AI, Cloud and Serverless Architecture	March 24, 2021	Mr. Shirish Nagar
15	Webinar Session on Serverless Applications in Cloud	July 3, 2021	Ms. Shazia Haque

Webinar on Serverless Applications in Cloud 3-July-2021

A One-day Online Technical Webinar Session on "SERVERLESS APPLICATIONS IN CLOUD" on 3rd July 2021. The session expert was Mr. Sagar Sharma who is an Alumnus of PCE and a Microsoft Certified Azure Architect with over 12 years of professional experience (currently based in Netherlands). He is working on different projects in the domain of Cloud Infrastructure, Integration, and IoT.
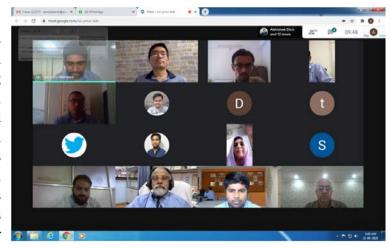
FDP Blockchain 14-18 Sept-2020

The Faculty Development Program was held on Monday 14th September 2020. The Chief Guest of the inaugural ceremony was Prof. R. A. Gupta, Hon'ble Vice Chancellor, RTU Kota and the Guest of Honor was Prof. Dhirendra Mathur, TEQIP-III Coordinator, RTU Kota. The Inaugural ceremony of the FDP was graced with the esteemed presence of Ar. Rahul Singhi, Director, Poornima Foundation. The inaugural ceremony also witnessed the presence of Dr. Mahesh M. Bundele, Principal & Director PCE, Mr. Amol Saxena HoD-IT, PCE, Mr. Vikas K. Jain, RTU Event Coordinator and Mr. Shirish Nagar, Event Coordinator, PCE.

FDP Container Orchestration 21-23 Sept-2020

Department of IT, PCE, Jaipur, organized three days International Level FDP on "Container Orchestration and Automation in Software Development Using Kubernetes and Openshift", on September 21-23, 2020 from 10.00 AM- 3:00 PM. FDP was conducted through the online Session on Google Meet. The main objective of this FDP was to equip faculties with skills and knowledge in automating deployment, scaling, and management of containerized applications, this is essential for inculcating learning values in students and guiding & monitoring their progress towards their career.
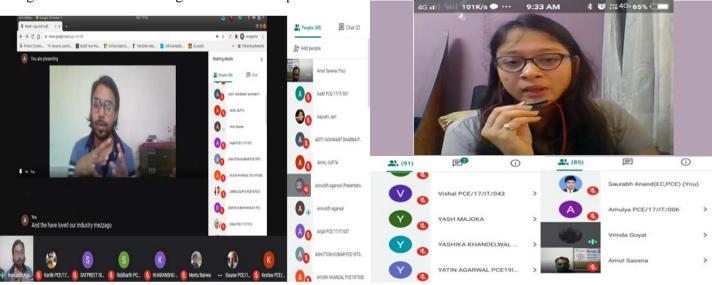
5G Future of Telecom Industries

A one-day Expert Lecture by Industry personnel shall be organized for students and academicians from different Engineering colleges across India on 15th March, 2021. The expert shall deliver the session on contents comprising scope and growth in 5G Future of Telecom Industries, Telecommunication, How it has evolved?, Why it has Evolved? 5G - Capabilities and Differentiators, 5G - Use Cases, Technology driver adoption, industry.

Mr. Aniruddh Agarwal conducted a technical webinar session on GIT. GIT is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.It makes collaboration on projects easier by allowing locally stored repositories to be synchronized against a remotely stored master copy. In his session he focused on the importance and fundamentals of GIT. He explained how GIT is useful for coordinating work among programmers working on different remote locations, and how to keep track of changes in source code during software development.
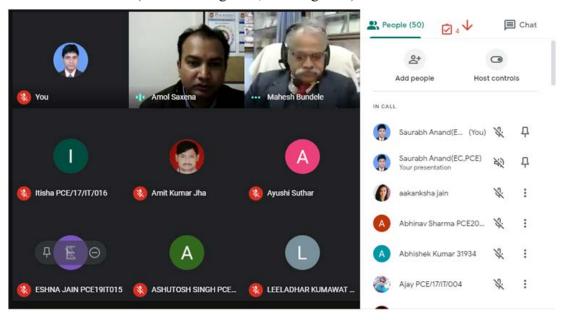
Ms. Vrinda Goyal delivered a session on Corporate Culture and Technologies and shared her experience with the students. The aim of the session was to make students aware about how things work in the software industry using Agile culture and what technologies and skills students should learn in order to appear in placement interviews. She suggested students learn trending technologies like Python, Artificial Intelligence, Block Chain, Machine Learning, IoT, Edge Computing, Virtual Reality and Augmented Reality and many more.

Intro to Python RTU TEQIP III

Five Day Workshop on "Introduction to Python Programming" organized by RTU, Kota and Department of IT in online mode under TEQIP-III from 25th – 29th January, 2021. The Chief Guest of the inaugural ceremony was Prof. R. A. Gupta, Hon'ble Vice Chancellor, RTU Kota and the Guest of Honor was Prof. Dhirendra Mathur, TEQIP-III Coordinator, RTU Kota. The inaugural ceremony witnessed the presence of Dr. Mahesh M. Bundele, Principal & Director PCE, Mr. Amol Saxena HoD-IT, PCE and Mr. Saurabh Anand, Event Coordinator, PCE.

The resource persons of the workshop are Mr. Nikhil Verma (Senior Software Engineer, InfoEdge (India) Ltd), Mr. Nitin Shelke (Senior Data Analyst, MLTool Technologies Pvt Ltd), Ms. SannyaSingal (Software Engineer, Magicpin) and Mr. Prithvi Anand (Software Engineer, Housing.com)

ENDEAVORS

MR. SANDEEP BHARGAVA

- Enhanced Approach to Infer Potential Host of Coronavirus by Analyzing Its Spike Genes Using Multilayer Artificial Neural Network, 1-3 Dec. 2020, IEEE International Conference on Recent Advances and Innovations in Engineering ICRAIE-2020-IEEE Conference (IEEE Record # 51050) organized by Poornima College of Engineering, Jaipur & IEEE Delhi Section from 1st -3rd, December – 2020.

- Prediction of the Onset of Diabetes Using Artificial Neural Network and Pima Indians Diabetes Dataset, 1-3 Dec. 2020, IEEE International Conference on Recent Advances and Innovations in Engineering ICRAIE-2020-IEEE Conference (IEEE Record # 51050) organized by Poornima College of Engineering, Jaipur & IEEE Delhi Section from 1st -3rd, December – 2020.

MR. SAURABH ANAND

- Review on Enhancement of Multilayer Microstrip Antenna Parameters by modifying ground plane for L Band Application, 5th March, 2021, International Conference on Advances in Electrical, Computing Communication and Sustainable Technology (AECCST-2021) organized by RTU Kota & Arya Institute Engineering. & Technology, Jaipur

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

To be recognized for quality education in the field of Mechanical Engineering and identified for its innovation & excellence.

MISSION

- To provide education that transforms students through rigorous teaching and thought process to fulfill the needs of the society and industry.
- To collaborate with leading industry partners and other academic & research institutes around the world to strengthen the education and research ecosystem.
- To prepare students with life-long learning for their career by fostering in them the ethical & technical capabilities pertinent to mechanical & allied engineering.

About the Department

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it has the intake of 120 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Poornima believes that Mechanical Engineering is evergreen branch in the engineering profession. Therefore, the Department of Mechanical Engineering has renowned scholars as the faculty members for imparting the knowledge. The department organizes various workshops, seminars, expert talks and presentations at national and international level. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sport fests since its establishment.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Graduates will have good fundamental & multidisciplinary knowledge with an ability to analyze, design, innovate and handle realistic problems.
- Graduates will possess ethical conduct, a sense of responsibility to serve society and protect the environment.
- Graduates will have a strong foundation in academics, leadership qualities and lifelong learning for a prosperous professional career.

PROGRAM SPECIFIC OUTCOMES (PSO)

- Design, analyze and innovate solutions to technical issues in Thermal, Production and Design Engineering.
- Exhibit the knowledge and skills in the field of Mechanical & Allied engineering concepts.
- Apply the knowledge of skills in HVAC&R and Automobile engineering.

PROGRAMME OUTCOMES (PO)

- Design, analyze and innovate solutions to technical issues in Thermal, Production and Design Engineering.
- Exhibit the knowledge and skills in the field of Mechanical & Allied engineering concepts.
- Apply the knowledge of skills in HVAC&R and Automobile engineering.
- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal & cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

MESSAGE FROM HEAD OF DEPARTMENT

The Department of Mechanical Engineering of PCE came into existence in the year 2004 with an alignment of the department's evolution with key events and technological advances for the betterment of society and nation. At present, it provides all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Students are getting placements in various companies i.e., Pinnacle Infotech Solution, Infosys, Diffusion Engineers Limited, Koide India Pvt Ltd etc. Department is successfully running the various professional societies chapter i.e., ASHRAE, ISHRAE, SAE, IGBC. Students are designing and fabricating Hybrid vehicles Hayagriva- a formula-4 racing car, Go-Kart, Quad-bike etc. under the SAE club. Earlier, the department conducted various conferences, workshops, seminars, expert talks and presentations on topics Advances in Refrigeration & Energy, Sustainable and Energy Efficient Building, Robotics, Faculty members publishing their research & review papers in SCI and Scopus indexed.

Dr. Narayan Lal Jain

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1.	Opportunities after Graduation in Mechanical Engineering	July 6, 2020	Dr. Sagar Kumar
2.	Career Enhancement	July 10, 2020	Mr. Rahul Sharma Mr. Kalpit Jain
3.	Job Opportunities in MNC	July 11, 2020	Dr. Rahul Sen Mr. Kalpit Jain
4.	Career Opportunities in Mechanical Engineering	August 8, 2020	Mrs. Asha Kumawat Mr. Vaibhav Sharma
5.	Two days, TEQIP III, RTU (ATU) sponsored online FDP on Alternative Fuels	September 4-5, 2020	Dr. Narayan Lal Jain Dr. Raj Kumar Satankar
6.	Teachers Day Celebration_The Purpose of Education -Mental Balance	September 5, 2020	Dr. Raj Kumar Satankar Mrs. Asha Kumawat
7.	Industry 4.0	September 14-18, 2020	Dr. Yashpal
8.	Engineers Day-An Expert Talk on Engineering for Change-Industrial Revolution	September 15, 2020	Dr. Bhuvnesh Sharma Dr. Akshay Jain
9.	Celebration of Engineers Day	September 15, 2020	Dr. Akshay Jain
10.	Celebration of Vishwakarma Jayanti	September 17, 2020	Dr. B.K Sharma Dr. Raj Kumar Satankar
11.	National Webinar on "उपनिवेशवाद विरोधी चेतना और महात्मा गाँधी"	October 2, 2020	Mr. Ashwani Kapoor, Dr. Sagar Kumar, Dr. Surendra Sani
12.	Eclectic Research Trends in Manufacturing (Part - 1)	October 5-10, 2020	Dr. Yashpal
13.	Renewable Energy	December 14-18, 2020	Dr. Raj Kumar Satankar Mr. Ashwani Kapoor
14.	Eclectic Research Trends in Manufacturing (Part - 2)	December 21-26, 2020	Dr. Yashpal
15.	International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT2021)	March 5-6, 2021	Dr. Raj Kumar Satankar
16.	Eclectic Research Trends in Manufacturing (Part - 3)	March 15-20, 2021	Dr. Yashpal
17.	Workshop on Prototype With "3D Printing"	May 18, 2021	Mr. Ashwani Kapoor
18.	International Webinar on the Practical Aspects of Teaching an Agile Classroom: A Panacea in the Age of COVID Crisis	June 11, 2021	Dr. Mohammad Israr
19.	Advancement Towards Sustainable Mobility in Indian Auto Sector	June 12, 2021	Dr. Surendra Kumar Saini Mr. Vaibhav Sharma
20.	Emerging Trends in Automobile (2W)	June 19, 2021	Dr. Surendra Kumar Saini
21.	Workshop on Metal & Polymer 3D Printer: An Introduction	October 4, 2021	Mr. Ashwani Kapoor

AICTE sponsored Under AICTE Quality Improvement Scheme Six Days Short Term Training Programme (STTP) on Eclectic Research Trends in Manufacturing (Part -1) (October 5-10, 2020) : This six days, AICTE-AQIS sponsored online Short-term Training Programme on Eclectic Research Trends in Manufacturing (Part-1) is organized by the Department of Mechanical Engineering, Poornima College of Engineering, Jaipur About Two Hundred Fifty participants from various parts of the country on Alternative Fuel have registered for this Short-Term Training Programme.
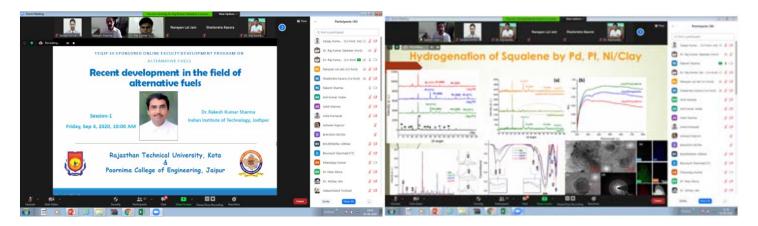
TEQIP-III RTU (ATU) Sponsored Five Days Online Faculty Development Programme (FDP) on "Renewable Energy" (December14-18, 2020) : These five days, TEQIP III, RTU (ATU) sponsored online FDP on renewable energy is organized by the Department of Mechanical Engineering, Poornima College of Engineering, Jaipur under the aegis of Rajasthan Technical university, Kota. More than three hundred participants from various parts of the country have registered for this Faculty development program.

Faculty Development Program (FDP) on Alternative fuels (September 4-5, 2020)

These Two days, TEQIP III, RTU (ATU) sponsored online FDP on Alternative Fuels is organized by the Department of Mechanical Engineering, Poornima College of Engineering, Jaipur under the aegis of Rajasthan Technical university, Kota. About Two hundred participants from various parts of the country have registered for this Faculty development program.

One-week RTU (ATU) TEQIP-III Sponsored Online Faculty Development Programme on Industry 4.0 (Sep. 14-18, 2020)

This one week, TEQIP III, RTU (ATU) sponsored online FDP on Industry 4.0 is organized by the Department of Mechanical Engineering, Poornima College of Engineering, Jaipur under the aegis of Rajasthan Technical university, Kota. About 250 participants from various parts of the country have registered for this Faculty development program. In this FDP, fifteen technical sessions were conducted by the eminent speakers from IITs, NITs and industries.

- Department of Mechanical Engineering, PCE organized a ASHRAE Distinguished Lecturer Program on Dehumidification - Basic Concepts on June 25, 2021, at 6:30 PM, delivered by Fabio M. Clavijo. Mr. Clavijo is President at Tecnaire, Bogota, Colombia. He has 41 years of experience in the field of HVAC Engineering and Contracting.

- Department of Mechanical Engineering of PCE, organized an Industry Expert Lecture titled "Emerging Trends in Automobile (2W)" on Saturday, 19.06.2021 at 12:00 -01:00 PM, delivered by Expert: Mr. Sudhansu Sekhar Padhy, DGM HR-Learning & Development, Hero MotoCorp Ltd (HMCL), New Delhi.

- Department of Mechanical Engineering, Poornima College of Engineering organized an Online Industry Experts Lecture on "Advancement Towards Sustainable Mobility in Indian Auto Sector" on Friday, 12, June, 2021 from 11:00 AM to 01:30 PM, delivered by Mr. Digvijay Singh Jodha, on "Engine Technology in Hybrid Vehicles" from 11:00 AM to 12:10 PM and Mr. Ravi Menariya, on " Emission Control Standards from BS-I to BS-VI for Indian Automobile Industry " from 12:20 PM to 01:30 PM.

- Department of Mechanical Engineering, Poornima College of Engineering organized a session on "The Practical Aspects of Teaching an Agile Classroom: A Panacea in the Age of COVID Crisis" on Friday, 11, June, 2021 from 06:30 PM to 07:30 PM, delivered by Hana Siddiquee. Hana Siddiquee is a pioneer in the usage of Agile Teaching and Learning Methodology, Scrum, and eduScrum in higher education in the USA. She is the only post-secondary educator in the USA to have implemented Agile Teaching and Learning Methodology, Scrum, eduScrum and L-EAF, Learning Educational Agile Framework, Scaling in the classroom, into more than 18 graduate and undergraduate courses by the year 2020.

- Department of Mechanical Engineering, Poornima College of Engineering, Jaipur along with ASHRAE, Rajasthan Chapter organized a virtual DL presentation on "The Interface between Risk & Ethics" on Friday, January 8, 2021 at 7:00 PM. delivered by Mr. Tim Wentz, Emeritus Professor, Construction Management, University of Nebraska - Lincoln, USA.

- Department of Mechanical Engineering, Poornima College of Engineering, Jaipur organized National Webinar on "उपनिवेशवादविरोधीचेतनाऔरमहात्मागाँधी on October 2nd 2020.

- Department of Mechanical Engineering, Poornima College of Engineering, Jaipur, organized a National Webinar on "Engineering for change" on September 5th 2020.

ENDEAVORS

DR. NARAYAN LAL JAIN

- Prof. Gaffar G. Momin, Dr. Narayan Lal Jain, Aakanksha P. Purkar, Naresh S. Lokhande, Affanali A. Sayyad, Roshani R. Chavan "Design And Manufacturing of Engine Health Monitoring System For Two Wheeler" A Review, in the Proceedings of International Online Conference on Emerging Trends in Multi-Disciplinary Research (ETMDR-2021)" 28-30, June, 2021, organised by the Advanced Studies and Research Centre, Poornima University, Jaipur, Rajasthan, India.

DR. MOHAMMAD ISRAR

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DEPARTMENT OF CIVIL ENGINEERING

VISION

To become a globally recognized centre of civil engineering through excellence in technical education, interdisciplinary research and innovation.

MISSION

- To develop professional skills with outstanding knowledge.
- To enhance research & development in emerging areas of civil engineering.
- Enhancing linkages with alumni and industry.
- To produce ethically able, humane and creative global leaders.

About the Department

The Department of Civil Engineering of PCE came into existence in the year 2011 with an alignment of the department's evolution with key events and technological advances for the betterment of the society and nation. At present, it has an intake of 60 students providing all the amenities of infrastructure related to knowledge, research, experiments and training. Poornima believes that Civil Engineering is an evergreen branch in the engineering profession. Therefore, the department of Civil Engineering has renowned scholars as the faculty members for imparting the knowledge. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sports fests since its establishment.

MESSAGE FROM HEAD OF DEPARTMENT

A warm and affectionate welcome from the Department of Civil Engineering at Poornima College of Engineering. Civil Engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment, including works such as bridges, roads, canals, dams and buildings. Our department has a team of qualified and experienced faculty and staff members and we are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. The core values of the department help the students to develop their overall personality and make them worthy technocrats to compete and work at global level. Our department has been conducting seminars/conferences since its beginning to keep the faculty and students abreast with the latest developments in the field of technical education.

I am certain that our students will prove to be an invaluable asset to an organization.

MR. BALWAN SHESHMA

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- Graduates will be able to apply fundamental principles of science, mathematics and engineering using modern tools to solve societal and environmental problems.
- Graduates will be able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- Graduatesapply innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams, promote and practice appropriate ethical moral to become professional engineers.

PROGRAM OUTCOMES (PO)

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OBJECTIVES (PSO)

- The graduates will have the ability to apply technical skills and modern engineering tools to analyze and design the solution of civil engineering problems.
- The graduates of the civil engineering program will have the ability to take up employment, entrepreneurship, research and development of society and nation.
- Graduates will be able to provide sustainable solutions to civil engineering problems while maintaining a professional ethic in their behavior.

MULTIFARIOUS ACTIVITIES

S.No.	Full Name of the Activity	Date	Coordinator of Activity
1	Sustainable Building Approaches and Practices	December 22-24, 2020	Mr. Shanker P. Mishra
2	Sustainable Cities and Infrastructure	September 13-15, 2020	Dr. Harshwardhan Singh
3	Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Buildings	September 21-25, 2020	Mr. Divya Vishnoi Ms. Supriya Bansal
4	Computational Modelling in Mathematics	February 8-12, 2021	Dr. Shilpi Jain Mr. Divya Vishnoi
6	A Walk into the Number Garden	September 5, 2020	Dr.Shilpi Jain
7	Challenges and Opportunities in Civil Engineering	September 9, 2020	Mr. Balwan Sheshma
8	World Earth Day	April 22, 2021	Mr. Divya Vishnoi
9	World Environment Day	June 5, 2021	Mr. Prateek Sharma
10	Softskills for Group Discussion	January 19, 2021	Mr. Lokesh Kr. Prajapat

A National Webinar on "Digital Transformation in Construction Industry"

Poornima College of Engineering (PCE), Jaipur organized a distinguished Webinar on UNDERSTANDING CEMENT TEST REPORTS on Friday i.e., June 05, 2020 at 03:00 PM. More than 350 participants registered in the event and more than 147 students have attended the Distinguished Lecture from all over India.

Mr. Pankaj Dhemla, Vice Principal (Poornima College of Engineering) introduced the topic and speaker. He also mentioned that this webinar will be helpful for Site Engineers & Quality Control Engineers to deliver good quality of work. During the technical discussions Mr. Kumaran focused Digital transformation requires changing processes and using new resources that harness the power of data to improve communication, efficiency, productivity and safety. This can position construction firms for profitable growth in a highly competitive industry, while also addressing workforce challenges. Building Information Modelling (BIM) is an intelligent 3D model-based process that gives architecture, engineering, and construction (AEC) professionals the insight and tools to more efficiently plan, design, construct, and manage buildings and infrastructure.
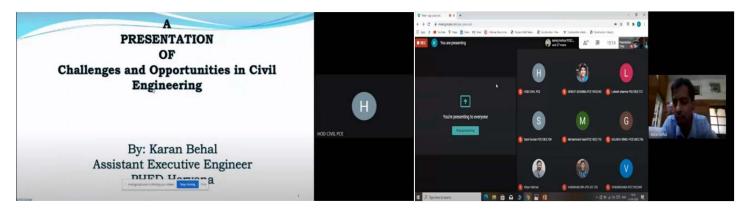
A Webinar on "Challenges and Opportunities in Civil Engineering"

Poornima College of Engineering (PCE), Jaipur organized a distinguished Webinar on the occasion of Engineer's Day on "Challenges and Opportunities in Civil Engineering" on Tuesday i.e., September 15, 2020 from 2:30- 3:30 PM. The students of the Civil Engineering Department marked their presence in the webinar by participating enthusiastically.

The guests and students were welcomed by Ms. Shruti Sharma, student II year. Following it was the introductory speech of Mr. Anil Gupta, student III year. In the speech he highlighted the achievements and accomplishments of Sir Mokshagundam Visvesvaraya, and the aim which every engineer should keep in mind.

Mr. BalwanSheshma, Head of Department, Civil Engineering, Poornima College of Engineering introduced the topic and speaker. During the technical discussions Er. Karan Behal, focused on pointing out the industry trends in the present scenario. He mentioned three folds: the first Part consisted of the Challenges which students would be facing in future while they join the industry as Engineers. In the second part he described the current trends of industry as well as the opportunities which are present now and what will be the opportunities in future. Third part consisted of some tips and knowledge regarding the preparation for competitive exams in the public sector like-GATE and UPSC, and with this finally the insightful session came to conclusion.

Mr. DivyaVishnoi, Dy. HoD, Department of Civil Engineering (Poornima College of Engineering) proposed the votes of thanks to the speaker and mentioned the knowhow of being in the industry along with all participants.

A Webinar on "UNDERSTANDING CEMENT TEST REPORTS"

Poornima College of Engineering (PCE), Jaipur organized a distinguished Webinar on UNDERSTANDING CEMENT TEST REPORTS on Monday i.e. June 28, 2021 at 04:00 PM. More than 100 participants registered in the event and more than 70 students have attended the Distinguished Lecture from all over India.

Mr. DivyaVishnoi, Assistant Professor (Poornima College of Engineering) introduced the topic and speaker. He also mentioned that this webinar will be helpful for Site Engineers & Quality Control Engineers to deliver good quality of work. During the technical discussions Er. Pavan Y. Sethi focused on different test reports of white cement including the latest equipment used for fast results. He also suggests the limits of physical and chemical properties of white cement. During his presentation, he focused on the cement production and demand in the world. And at the end of his presentation, he replied to the answers of questions asked by participants.

Dr. Harshwardhan Singh, Associate Professor, Department of Civil Engineering (Poornima College of Engineering) proposed the votes of thanks to the speaker and mentioned the know-how of being in the industry along with all participants.

Three Days FDP on "Sustainable Cities and Infrastructure" September 13-15, 2020

A three days Faculty Development Programme organized for faculty members from different Engineering colleges across India from 13th – 15th September, 2020. This Programme was coordinated by Dr. Harshwardhan Singh Chouhan and Mr. Ankit Singh Beniwal. Experts across the country delivered lectures on various alternative building materials and their applications in sustainable cities and infrastructure. These members have been contributing significantly to the improvement of the quality of engineering education. The main focus of the FDP will be on providing comprehensive knowledge about new engineering material over conventional materials and their role in sustainable infrastructure development. This is improving the awareness of continuous exhausted building materials to people from academics as well as industry.

Five Days FDP on "Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Buildings" September 21-25, 2020

A Five days Faculty Development Programme organized for faculty members from different Engineering colleges across India from 21th – 25th September, 2020. This Programme was coordinated by Mr. DivyaVishnoi and Ms. Supriya Bansal. Experts across the country delivered the lectures on demand for understanding and exposure to earthquake engineering in design and practice of Concrete and Steel structures. These members have been contributing significantly to the improvement of the quality of Civil Engineering education. The main focus of the FDP was providing comprehensive knowledge about the fundamentals of structural dynamics, relevant to earthquake resistant structure design. Faculty introduced recent techniques and methods to analyse and design Steel and Concrete for earthquake resistant frame buildings.
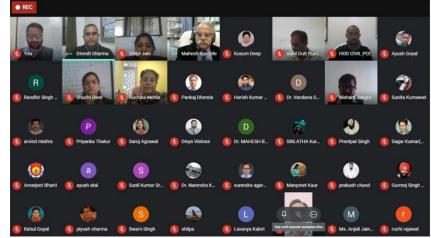
Five Days FDP on "Computational Modelling in Mathematics" February 08-12, 2021

A Five days Faculty Development Programme organized for faculty members from different Engineering colleges across India from 8th – 12th February, 2020. This Programme was coordinated by Dr. Shilpi Jain and Mr. DivyaVishnoi. Experts, across the country delivered the lectures on Computational Mathematical modeling of real-life problems is an important aspect of applied mathematics which caters to various areas of applied science and engineering.

The main focus of the FDP was providing comprehensive knowledge about the fundamentals of mathematical modeling and providing some of the key mathematical techniques that are encountered in academic research.

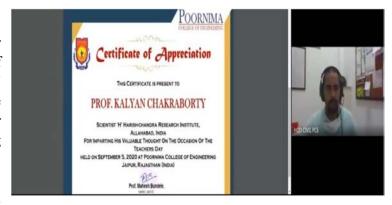This FDP explored the applications covering numerical and analytical solutions, presents basic and advanced concepts for beginners and industry professionals, and incorporates the latest methodologies and challenges using mathematical modeling and soft computing techniques in epidemiology. Primary beneficiaries of this FDP include researchers, academicians, postgraduate students, and specialists.

A Webinar on "A Walk into the Number Garden"

Poornima College of Engineering (PCE), Jaipur organized a distinguished Webinar on the occasion of Teacher's Day on "A Walk into the Number Garden" on Saturday i.e., September 5, 2020 at 12:00 PM. The students of the Civil Department marked their presence in the webinar by participating enthusiastically.

The guests and students were welcomed by Ms. Mansi Agarwalla, student IV year. Following it was the introductory speech of Ms. Shruti Sharma, student II year. In the speech she highlighted the whole life of Dr. Sarvepalli Radha Krishnan, and history of Teacher's Day celebration.

Dr. Shilpi Jain, Associate Professor, Poornima College of Engineering introduced the topic and speaker.

During the technical discussions Prof. Chakraborty focused on the number theory as we walked down the lane, in the garden of numbers.
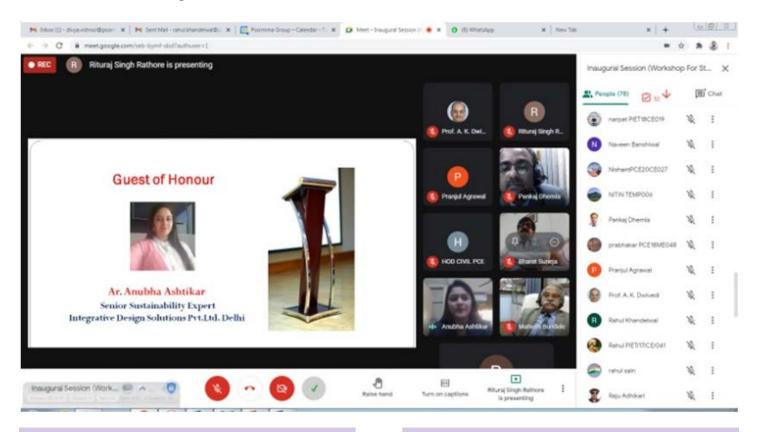
He mentioned four folds: the first Part consists of the fundamental theorems of the number system; in this he mentioned the theorems of the number system in detail with examples. In the second part he described the Twin Prime numbers with some basic examples. Third part consisted of examples as well as definition of Congruent numbers. The fourth and last part consisted of the 3n+1 problem and finally the insightful session came to conclusion.

Three Days Workshop for students on "Sustainable Buildings Approaches & Practices" December 22-24, 2020

A three days Online Workshop shall be organized for students from different Engineering colleges across India from 22nd – 24th December, 2020. Experts across the country shall deliver the lectures on demand for understanding and exposure to sustainable building design, approach and practices. These members have been contributing significantly to the improvement of the quality of Civil Engineering education. The main focus of the online workshop will be on providing comprehensive knowledge about the fundamentals of sustainable structure, relevant to green building design. Experts will introduce recent techniques, case study & hands on practice to analyze and evaluate the sustainable buildings.

Three days RTU TEQIP-III sponsored Student Workshop program during 22-24 December 2020 on "Sustainable Buildings Approaches & Practices".

This student workshop is conducted by the blessings of Prof. Dr. R.K.Gupta Hon'ble Vice Chancellor, RTU Kota. It was inaugurated by Prof. (Dr.) B.P Suneja, Dean Faculty Engineering & Architecture RTU Kota & Ar. AnubhaAshtikar, Senior Sustainability Expert, Integrative Design Solution Pvt. Ltd. Delhi. Experts address the participants and share the importance of Sustainable Buildings Approaches & Practices. On this occasion Prof. Dr. A. K. Dwivedi, Event Coordinator, RTU Kota, highlights the workshop course content, objective, outcome and TEQIP project benefits to all the participants in his address. Dr. Mahesh Bundele, Director Poornima College motivated the participants for serious participation in the program and carry back the learnings to percolate further. Mr. Pankaj Dhemla, Vice Principal, Mr. BalwanSheshma, HOD, Mr. DivyaVishnoi, DY.HOD, and other faculty members from the institution were present in the program. Total 274 participants from various affiliated colleges of RTU/BTU and other private universities have participated in the workshop. All the experts were invited from IITs, NITs, and NITTTR and reputed Industries.

ENDEAVORS

ARPIT SINGH BHADORIYA

- Attended 5-day FDP on Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Building from (21/9/2020 to 25/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 3 Days FDP on Sustainable Cities & Infrastructure from (13/9/2020 to 15/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day FDP on Machine Learning & Deep Learning Techniques with its Applications workshop from (18/8/2020 to 22/8/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.

BALWAN SHESHMA

- Attended 5-day FDP on Design & Analysis of Building Structure by using Extended Three-Dimensional Analysis of Building System (ETABS) from (21/12/2020 to 25/12/2020) organized by Poornima Institute of Engineering & Technology Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5- day FDP on Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Building from (21/9/2020 to 25/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day Computational Modelling in Mathematics workshop from 8/2/2021-12/2/2021 organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.

DIVYA VISHNOI

- Attended 3-day workshop on Sustainable smart cities from 13/9/2020-15/9/2020 organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day FDP on Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Building from 21/9/2020-25/9/2020 organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day workshop on Design & Analysis of Building Structure by using Extended Three-Dimensional Analysis of Building System (ETABS) from 21/12/2020-25/12/2020 organized by Poornima Institute of Engineering & Technology Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day workshop on Computational Modelling in Mathematics from 8/2/2021-12/2/2021 organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP–III.
- Attended 5-day workshop on Universal human Value from 12/10/2020-16/10/2020 organized by AICTE in sponsorship with AICTE-ATAL.
- Attended 5-day workshop on Earthquake Resistant Structural Systems and Design for Buildings and Structures from 7/6/2020-11/6/2020 organized by Sri Venkateswara College of Engineering, Sriperumbudur in sponsorship with AICTE-ATAL.
- He completed a month-long course on Innovation Ambassador Training (Advance) organized by IIC, MHRD.
- Mr. DivyaVishnoi Delivered an expert lecture in the 19th session of technical lecture series on the topic "3D printer in construction" organized by Ultratech Cement, ICI and IEI Jaipur.

DR. HARSHWARDHAN SINGH CHOUHAN

- Attended workshop International Conference on Futuristic Research in Engineering Smart Materials (FRESM'21) from 23/4/2021 to 24/4/2021 organized by CMRIT Bengaluru & Core-Facility Centre for Photochemistry and Nano materials, GNU, South Korea in sponsorship with CMRIT Bengaluru India.
- He published the paper" Effect of Kota Stone Slurry on Strength Properties of Cement Mortar Mixes "in the journal Material Today: Proceedings.
- He published the paper on" Construction& Demolition Waste as an Alternative of Rigid Pavement Materials: A Review "in the journal International Conference on Futuristic Research in Engineering Smart Materials (FRESM'21).
- He published the paper on, "Effect of Nano Particle Based Anti-Stripping Agent on Moisture Induced Damage for Bituminous Concrete Mixes" in the journal International Conference on Futuristic Research in Engineering Smart Materials (FRESM'21).
- He published the paper on, "Influence of Plastic waste on the performance of mortar and concrete: A Review in the journal Materials Today: Proceedings."

LOKESH KUMAR PRAJAPAT

- Attended 5-day FDP on Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Building from (21/9/2020 to 25/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP –III.
- Attended 3-day FDP on Sustainable Cities & Infrastructure from (13/9/2020 to 15/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP –III.

VIKAS SHARMA

- Attended 5-day workshop on Earthquake Resistant Design of Concrete & Steel Moment Resisting Frame Building from (21/9/2020 to 25/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP –III.
- Attended 3-day workshop on Sustainable Cities & Infrastructure from (13/9/2020 to 15/9/2020) organized by Poornima College of Engineering Jaipur in sponsorship with RTU (ATU) TEQIP –III.
- Attended 5-day FDP on Design & Analysis of Building Structure by using Extended Three-Dimensional Analysis of Building System (ETABS) from (21/12/2020 to 25/12/2020) organized by Poornima Institute of Engineering & Technology Jaipur in sponsorship with RTU (ATU) TEQIP –III.

STUDENTS' COUNCIL

CHAIR

Vedika Gupta
Students' Council

CO CHAIR

Prerna Mundra
Students' Council

CO CHAIR

Om Sharma
Students' Council

Coding Club

Vishesh Garg
Captain

Rishabh Deora
Vice Captain

Cultural Club

Abhinav Sharma
Captain

Kratika Jangid
Vice Captain

Designing Club

Nirbhaya Vishwanath
Captain

Aashita Jain
Vice Captain

Developers Student Club (DSC)

Rishi Goyal
Captain

Divyansh Agarwal
Vice Captain

Haygriva Club

Tushar Jangid
Captain

Anmol Jain
Vice Captain

Helping Hands Club

Anubha Gupta
Captain

Tripti Somani
Vice Captain

Indian Society for Technical Education (ISTE)

Richa Garg
Captain

Mayank Sinhal
Vice Captain

Inst. of Elect. and Electronics Engineers (IEEE)

Kanak Pareek
Captain

Virendra Tiwari
Vice Captain

Inst. of Elect. and Telecomm. Engineers (IETE)

Rahil Mathur
Captain

Himanshu Singh Hada
Vice Captain

Joshiley Drama Club (JDC)

Yashasvi Pandey
Captain

Shashank Singh
Vice Captain

Literary Cub

Raghav Malhotra
Captain

Siddharth Talesara
Vice Captain

Poornima College Alumni Society (PCAS)

Shruti Sharma
Captain

Divyanshu Dhakar
Vice Captain

Poornima Innovation & Incubation Cell (PIIC)

Saurabh Pansari
Captain

Shrishti Agarwal
Vice Captain

Sports Club

Pranjal Yadav
Captain

Harsh Jain
Vice Captain

Udaan Aero Modelling Club

Kapil Sharma
Captain

Esha Kapoor
Vice Captain

Zircon Club

Rahul Sharma
Captain

Lokesh Sharma
Vice Captain

LITERARY CLUB

Literary club of our college do not just include literature, along with literature others fields included are photography, literature, video editing and creation, personality development, language, soft skills, open mic and public speaking. To help students with overall development for their future goals and make them prepared for the professional environment.

BATTLE OF WITS

Activity Description: In this event a platform was provided for all the talented students to showcase their skills in various competitions like photography, video editing & creation, literature, poetry, art, storytelling etc.

Glimpse of entries by student in this event

पागल स थ सफर स थ
बेपरवाहियों में घिरे से थे
उनके आने के बाद परवाह करना सीखा
उनसे मिलकर हमने खुद सवरना सीखा
बातें उनसे रोज़ हुई
मगर फिर भी हम कुछ कह न सके
कहती थी आँखे बहुत कुछ
मगर अफसोस वो कुछ समझ न सके
उस आखरी मुलाक़ात में
दिल बहुत कुछ कहने को बेकरार था
लेकिन जाते हुए भी उनके
हम कुछ कह न पाए
शायद इस दिल को उनके
मुद कर देखने का इंतज़ार था
वो मुडे नही , हमने भी उन्हें कहा कुछ बताया
रिश्ता जो था हमारे बीच
न उन्होंने कभी कहा न हमने कभी जताया
लेकिन अब सोचता हूं, इस कहानी को
अंजाम देने की क्या जरूरत है
असल मे इसकी राहें इसकी मंजिल से ज्यादा
खूबसूरत है
बस आज भी सब वैसा ही है
हम दोनों आज भी इस रिश्तें से अनजान से है।
दोनो को लगता है कि वो शुरुआत करेंगे कुछ कहकर
ओर हम दोनों ही चुप्पी साधे
इस उलझन में परेशान से है……
इस उलझन में परेशान से है……
परेशान से है……….

– आशुतोष उपाध्याय

FATHERHOOD

Activity Description: By this competition, we at the literary club tried to give the stage to students who are willing to come forward and showcase their skills in various ways.

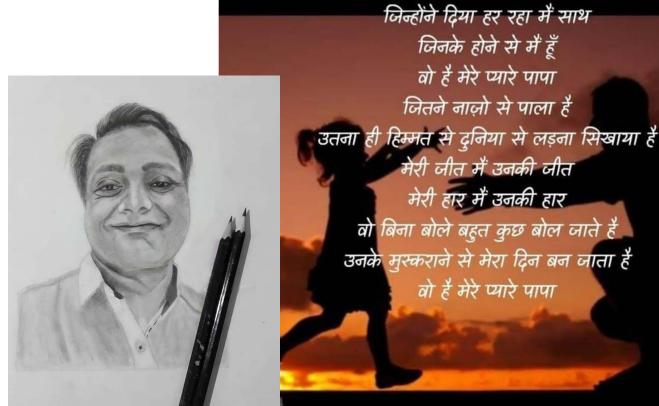Fatherhood was mainly divided into three categories which are Photography, Art & Poetry i.e.

1. Capture perfect (The Photography Contest)
2. The Wordworthers (Poetry Contest)
3. Creative Canvas (Art Contest)

The main objective of this event was also to motivate students to show come forward and showcase their love for their father.

Glimpse of entries by student in this event

मेरे प्यारे पापा

जिन्होंने दिया हर रहा में साथ
जिनके होने से मैं हूँ
वो है मेरे प्यारे पापा
जितने नाज़ो से पाला है
उतना ही हिम्मत से दुनिया से लड़ना सिखाया है
मेरी जीत में उनकी जीत
मेरी हार में उनकी हार
वो बिना बोले बहुत कुछ बोल जाते है
उनके मुस्कराने से मेरा दिन बन जाता है
वो है मेरे प्यारे पापा

BASICS OF RESEARCH PAPER WRITING

Activity Description: In the session he talked about the Research Paper is the culmination and final product of an involved process consisting of research along with this he briefs about the general structure of the research article, how to choose a topic. He gave a brief about the steps to publish a research paper. The positive part of the session was the doubts and queries of the students who wane publish a research paper were answered which encouraged them to explore more in the field of Research and publishing more Articles and achieve a successful carrier.

Glimpse of entries by student in this event

CULTURAL CLUB
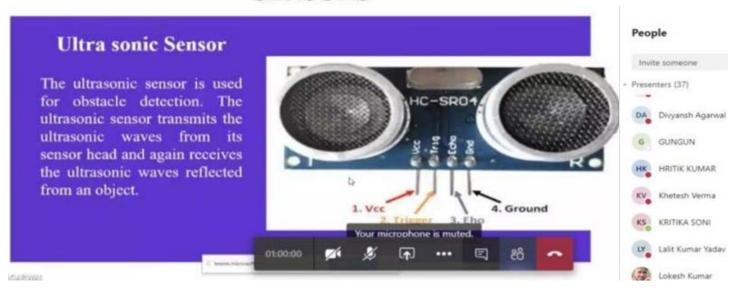
The Cultural Club is the club for those who are interested in dance, music, instrumental, painting and mime acting. We encourage and support our members to take part in various Intra/ Inter competitions and activities providing guidance and resources to develop Student's Creative Skills.

ZIRCON CLUB

Established in the year 2010, Zircon, the technical club of Poornima College of Engineering, has been consistent in upgrading the practical knowledge of the fresher's at Poornima College of Engineering grounds.

Activity Description: A workshop on "Arduino Platform and its applications" was organized on 18th of December, 2020 for the Students of Poornima College of Engineering under the cognizance of a perfectly functional club, Zircon. The large number of First Year participants participated with a great zeal and enthusiasm. Topics like Arduino, its necessities, different types of sensors, interfacing the sensors, introducing the coding part Followed by the application and future scope of the arduino were covered in the workshop. Live Demonstration was also given during the workshop. The content of the workshop was delivered by the students of 3rd year, Ishita Chauhan, Deepak Sajnani and Hritik Kumar under the guidance of 4Th year Students Pankaj Khangarot and Naveen. By the knowledge and experience of their seniors the 1st year gets enlightened by the horizons of this technology. Miss Ishita of 3rd year, proposed a vote of thanks at the end of the program. The whole event was under the observations of seniors.

HELPING HANDS CLUB

As the name itself suggests, this club helps the underprivileged to fulfill their daily requirements providing them food and clothes. This club organizes many educational activities for the students who are deprived of proper education and also provides guidelines for the people who need help.

COVID DRIVE:

On 28 April 2021, Helping Hands Group started the covid drive under the guidance of Shubham Toshniwal and Ritik Banger. There were a total 35 members who contributed to the drive and among them ten were volunteers from different cities. We reached this initiative after facing the reality of India's situation so we were determined to help people to defeat the problems like unverified leads, black marketing, scams, etc.

The main motive of this drive was to serve people by providing them Verified leads of resources like oxygen, beds, medicines, foods, etc. and contribute in making their lives somewhat easy in this Pandemic situation. So, the team started working on it by finding leads and verifying them through phone calls and messages. At the start of the drive we executed all the work through WhatsApp Group, later we divided the team into three categories which included as follows. The first was Leads and verification category which was further divided into two sub categories, oxygen plus medicine and bed, plasma and food. These two sub categories handled unverified leads and verified them and the responsible members passed the verified leads to the second category which is Database team who entered the day to day verified leads in the google sheets to keep record of the data. This category worked as the backbone of the drive as it connected both the other two categories. The third was the Social media team which received requirements through social media and solved the queries through verified leads. These teams were formed as we were getting more requirements and to work smoothly.

The verified leads were posted on various social platforms through which it was easily available to people. We used different social platforms like Twitter, Telegram, Instagram, etc. to help people and provide them with leads regarding their needs. With the efforts of the whole team, we helped more than 1,350 people through this drive directly through the various platforms. Talking about the reach, our Twitter impressions have more than 10 Lakh views, more than 3000 energetic members on telegram channel, and an excellent reach on telegram. Our work has also been supported by some gems of Indian society like Sir Sachin Pilot, Sir Manoj Bajpayee.

After one month of the drive, the requirements were reduced to a great extent as the number of covid cases reduced and resources were available to people easily, so we decided to put this drive to an end with a closing ceremony for the appreciation of our team members.
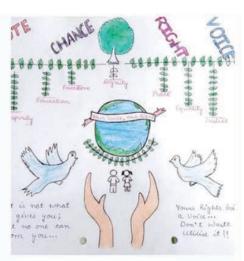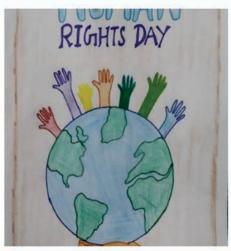
HUMAN RIGHTS DAY

Activity Description: Human Rights Day is marked annually on December 10 around the world. The day is marked to raise awareness about cultural, social, and physical rights and to corroborate the welfare of society in all possible contexts. The day commemorates the United Nations General Assembly adoption of the Universal Declaration of Human Rights (UDHR) in 1948. To increase and develop awareness about the Human Rights, the Helping Hands Group of Poornima Group of Colleges had organized activities for the student of PGC. The purpose of this day was to raise awareness among people to fight for their rights and to stop those who are violating human rights.
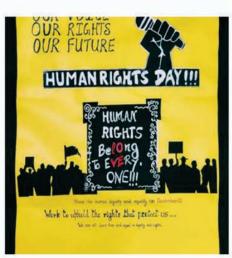
DESIGNING CLUB

Designing Club is formed recently just for the fields which were not there before in other clubs. The club focuses on the below mentioned fields:

1. Web Designing
2. RC aquatic and land Drone designing
3. Auto CAD

JOSHILEY DRAMA CLUB

Joshiley Drama Club is a process-oriented after-college drama club in which students rehearse and perform a scripted Stage Play or Street Play. Students in Drama Club learn the basics of stagecraft, self-discipline and the importance of hard work, creativity and imaginative play, listening and observation skills, and self-confidence.

NATIONAL ANTI-TERRORISM DAY

Activity Description: On National Anti-Terrorism Day, members of Joshiley Drama Club from 1st, 2nd, and 3rd Year performed a video act on National Anti-Terrorism Day. The main theme of the video was to make the Youth of India aware of terrorism and how terrorism is not linked with only 1 religion or caste. Instead, we need to fight terrorism from the root cause, which is not only on the outside world, but also within us, and help this world become a better place to live in.

Joshiley Drama Club on National Anti-Terrorism Day.

Glimpse of entries by student in this event
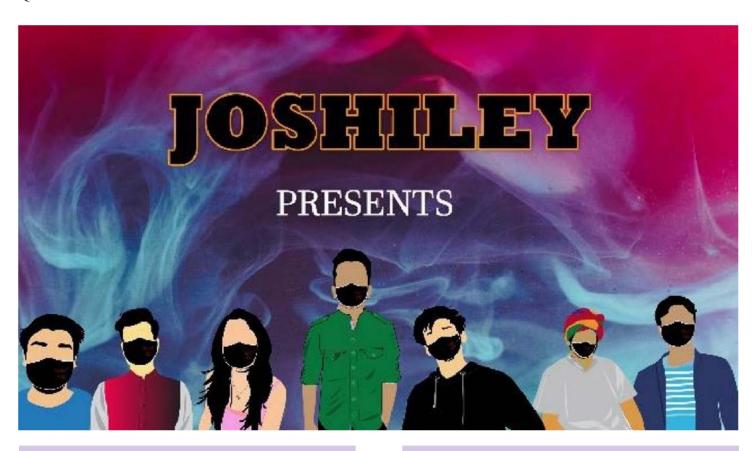
TOO BAD TO BE AN AD

Activity Description: From 13th - 19th January 2021, Joshiley Drama Club organized the first activity of the club to challenge people to look around them coming out of their world and to think outside the box for ideas. The main theme of the activity was to create an advertisement based on a product that cannot be sold in the real world.

WORLD NO-TOBACCO DAY

Activity Description: Every year on 31 May, the World No Tobacco Day takes place to inform tobacco users of the possibility for a healthier life. The aim of the day is to promote awareness of the risks of smoking and how doctors can deal with health problems when they stop smoking. The main theme of this Year WNTD was "COMMIT TO QUIT".

SPORTS CLUB

The Sport Club is designed to serve student interest in different sports and recreational activities. These interests can be competitive, recreational or instructional in nature as this club may represent the college in intercollegiate competition or conduct intra club activities such as tournament play, practice, instruction and social interaction.

CHESS TOURNAMENT

Activity Description: Students' Council PCE in collaboration with Sports Club, PCE has organized the CHESS tournament. The motive is to encourage and develop cognitive skills, implementation and learning new strategies, and sportsmanship. A chess tournament is a series of chess games played competitively to determine a winning individual or team. The registration forms for the tournament were sent via google form and promoted on other social media platforms on 31st January, 2021.After the completion of both events the results were announced on the Instagram account of Students' Council PCE. The event was successfully completed with a good number of participants.

Technophile:

Students' Council PCE organized a Technophile event to promote the skill of public speaking in the second-year students. The competition was decided into two categories namely "TechPromptu" the Extempore competition which was organized for the students of computer science and IT branches and "Quizzard" the quiz competition which was organized for the students of EC, EE, Civil and ME branches. The registration forms were sent to students via email and other social media platforms on 6th of November and the competitions were organized on 9th and 10th of November 2020.

TechPromptu was a single participant competition in which every student was given a technical topic and a minute to think about and then next minute to speak on the topic. Points were awarded on the basis of their confidence and how good they are able to speak about the topic. All the topics were chosen on the basis of technical advancements in the respective fields of the branches. Quizzard was the team event with each team consisting of two members and multiple questions related to their specific branches were asked with no question to be passed or repeated. Points were awarded on the level of correctness of the answers. Questions asked were based on the 1st year and 2nd year courses and the recent advancements in the branch in which the student is studying.

COSMIC 1.0 E-Sports Gaming Tournament (By Sports Club):

Sports Club in collaboration with Students' Council PCE organized the COSMIC 1.0 E-Sports Gaming tournament to encourage and develop cognitive skills, teamwork, communication, strategy, and sportsmanship learned through participating in the tournament. Within the tournament two games were included, "VALORANT" which is first-person shooter game on Computer/Laptop platform and "CALL OF DUTY MOBILE" which is a shooter game on android/iOS platform, both the competition was organized for 1st, 2nd and 3rd year students of PCE including all branches.

The registration forms for the teams were signed up by team leaders via google form and other social media platforms from 23rd to 25th April 2021 and the competitions were organized on 26th, 27th and 28th of April 2021.
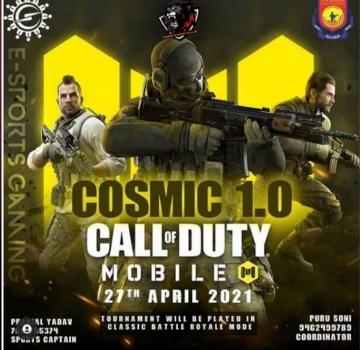
VALORANT is a 5v5 character-based tactical shooter with a team of five players on each side that is attacking and defending sides. Tournaments were conducted on the bases of single-elimination or knockout matches where the loser of each match-up was immediately eliminated from the tournament. Top four teams were selected for finals. From the finals the 1st position team from the same knockout bases was declared the winner of VALORANT COSMIC 1.0 E-Sports tournament.

Call of Duty Mobile is a first-person shooter and battle royal game. Tournament was conducted in two modes 'battle royal mode' and 'team-deathmatch mode'. In Battle royal mode many teams, each with four team members, fight for the last team surviving on the map. Two battle royal modes were organized from which top six teams were selected on the basis of position and kill-count. In Team-deathmatch mode two teams with each team members of four, fighting for first to reach the kill-score limit wins the match and this tournament was organized on the bases of knockout/single-elimination, through which top three teams were selected for the finals. From the top three finalist teams, team-deathmatch mode on bases of maximum win against each other was organized from which the winner of COD Mobile COSMIC 1.0 E-sports tournament was declared.

VALORANT tournaments were conducted on 26th April and COD Mobile tournaments were organized on 27th April, Finals for both the games were organized on 28th April.

After completion of both events the results were announced on the Instagram account of Students' Council PCE

UDAAN AERO MODELLING CLUB

UDAAN AERO MODELLING CLUB is the club which is in the field of drones and plane designing. This club has been participating at many national level competitions at different IITs. Students get to learn about the basic construction of drones and planes and opportunity to create their own planes and drones.

Activity Description: The Udaan Aeromodelling Club works mainly on developing drone technology. We work on creation of RC planes and Drones by the Students and we provide them a platform to showcase their creative and technical skill in field of aeromodelling. The club members participate in various fares held at several IITs and NITs and similar shows held at other institutes all over the country. The introduction session was organized by Udaan Aeromodelling Club. The motive of this session was to convey that what this club is all about was Aeromodelling and Aviation or anything that had an aerodynamic shape. The session was based on the club introduction and we have seen the interest of future aeromodellers towards aeromodelling. This session was taken so that the students can be aware of the club and about its position and its activities which are held at the different levels in the country at renowned institutions in our country.

CODING CLUB

Coding club is coming with the best ever display here we will be teaching everything from the scratch in multiple domains ranging from REDHAT, Linux, AWS cloud computing, python, Android app development and much more.

DSC

Google Developer Students Club Poornima is aimed to provide students with the resources, opportunities and, experience of a global level while they are still studying. Thus you'll be learning in a Google technology and expert focused environment for a better future.

ISTE

Indian Society for Technical Education is a leading professional non-profit making society which provide a common platform for students to exhibit the talent which helps in their career development. ISTE organise technical workshops, seminars.

PIIC

PIIC is the venture arm of Poornima College of Engineering (PCE) that nurses, nurtures and fosters incubation of startups. It is an incubation center for startups whose objectives are to cultivate and promote entrepreneurism among talented youth, students and experienced alike. PIIC also conducts events like entrepreneurial talk series, workshops, open pitches and seminars to offer a good interface and visibility in the region.

IETE STUDENT'S CHAPTER

The Institute of Electronics and Telecommunication Engineers . It is Professional, India's leading Student Society in the elevation/advancement of Science and Technology and IT. The Main Objective of IETE is to point on advancements of Electro-technology.

IEEE

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE's core purpose is to foster technological innovation and excellence. IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

HAYGRIVA CLUB

Haygriva racing club is the club of college with a racing team and participates in multiple racing competitions. The team builds their own cars and different projects on their own from scratch. Students get to learn about the basics of automobile designing and how to be innovative in the process.
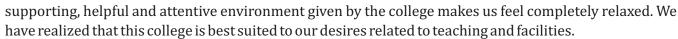
VIEWS OF STAKEHOLDERS

Parents of Sejal Jain

Our daughter is studying in first year, Poornima College of Engineering. Poornima college has also provided a path for advancement in many domains especially, personal growth. Poornima College of engineering has also opened doors to various opportunities and also developed love and passion for learning among students.

We have seen a positive change in our daughter's behavior and approach for problem solving. The supporting, helpful and attentive environment given by the college makes us feel completely relaxed. We have realized that this college is best suited to our desires related to teaching and facilities.

Best wishes to the Poornima foundation. Thank you!

Sejal Jain
PCE20CS171

Parents of Jasmine Chhillar

Poornima College of engineering provides a real-world exposure to the students and also prepares them to solve real-life problems in a very efficient way. The college also provides various opportunities for the students to develop and enhance their skills by conducting various extra-curricular activities which helps them to groom their personality.

We thank Poornima College for her overall development, knowledge and learning.

I thank sincere and dedicated faculty members for putting their efforts to enhance the knowledge of students.

Best wishes to the Poornima foundation. Thank you!

Jasmine Chhillar
PCE20CS082

Parents of Jeevesh Kishore Sharma

Poornima College of Engineering in Jaipur is a nice college, and we are fortunate to have my children studying there. To be honest, we were initially concerned about the beginning of engineering education in an online format and how students would adapt, but the Poornima group did not let any obstacles stand in the way of providing quality education.

We were pleasantly surprised how they handled this situation. Normally, online education means only academics and no extracurricular activities, but this was not the case for Poornima. They have really interesting projects for students, club activities, and international events. Not only do students participate, but they also host and organize most of the events. We liked how college professors try to make class more interactive and to improve their leadership and vocal abilities. Thank you, Poornima group, especially the PCE first year department, for being supportive and providing our children with a quality education and life.

Jeevesh Kishore Sharma
PCE20CS085

Parents of Prerna Mundra

The only purpose of choosing Poornima College of Engineering is the nurturing and constructive environment given by the college. Before making the final decision about this Institute we have researched and reassured over the Internet and witnessed the positive responses everywhere on Quora and CollegeDunia. After visiting the campus and hostel we were sure and confident about sending our child to this College.

Later on, the growth and vision enhancement in Prerna was very much evident. The faculty, administration, and other major factors helped her to build her career path and eventually the future. As a blessing, we hope she grows academically as well as professionally in this journey of her graduation. We believe choosing the right institute with great teachers and an environment to learn is the foremost and important decision, and we as her parents made the right decision for her.

Prerna Mundra
PCE19CS129

PCE in News

Rajasthan: Poornima College of Engineering organised a webinar o 'COVID 19 Pandemic: An Uninvited Guest' on Wednesday, where Professor and Head of Department of Community Medicine and Family Medicine (CMFM), AIIMS Jodhpur, Dr Pankaja Raghav, along with her team deliberated the two-hour session interactively. Dr Pankaja Raghav began with a history of outbreaks and eventually explained the epidemiology of COVID-19, with key points on transmission and the importance of prevention.

कंपनियां कर रही स्टूडेंट्स को प्लेसमेंट

जयपुर। कोरोना वायरस के प्रभाव के कारण आगामी महीनों में बाजार के लिए आसान समय नहीं होगा, जिसके चलते दुनियाभर में बड़ी संख्या में लोगों के बेरोजगार होने की संभावना जताई जा रही है। विशेषज्ञों का यह भी मानना है कि अधिकांश कंपनियों की ओर से फिलहाल नई भर्तियां भी नहीं की जाएंगी, लेकिन बड़ी कंपनियां कैंपस प्लेसमेंट के जरिए चयनित किए गए पूर्णिमा ग्रुप के स्टूडेंट्स को जॉब देने के अपने वादे पर कायम हैं। पूर्णिमा की कॉर्पोरेट रिलेशंस की डायरेक्टर दीप्ती लोढा ने कहा कि वर्तमान बैच 2019-20 के हमारे करीब 90 प्रतिशत स्टूडेंट्स का प्लेसमेंट हो चुका है। लॉकडाउन की वजह से बाजार में आए ठहराव के बावजूद इन कंपनियों द्वारा स्टूडेंट्स के रिक्रूटमेंट के ऑफर्स रद्द नहीं किए हैं, जो हमारे संस्थानों के लिए बहुत ही सकारात्मक संकेत है।

कॉर्पोरेट वर्ल्ड में रिक्रूटमेंट पर वेबिनार आयोजित

ब्यूरो/नवज्योति, जयपुर

पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की ओर से शनिवार को कॉर्पोरेट वर्ल्ड्स रिक्रूटमेंट डायनेमिक्स विषय पर वेबीनार आयोजित हुआ, इसमें हुंडई मोटर्स राजस्थान के रीजनल सेल्स हेड अमिल राजीव ने कॉर्पोरेट वर्ल्ड द्वारा स्टूडेंट्स से की जानी वाली अपेक्षाओं व तैयारियों के बारे में विस्तार से जानकारी दी इस वेबीनार में विभिन्न कॉलेजों के विभिन्न स्टूडेंट्स शामिल हुए। राजीव ने स्टूडेंट्स को बेहतर रिज्यूमे बनाने व साइकोमेट्रिक टेस्ट की तैयारी के बारे में बताया और यंग जॉब फोर्स के समक्ष आ रही चुनौतियों से भी अवगत कराया। कॉलेज रजिस्ट्रार देवेंद्र सोमवंशी व अमितेश कुमार ने वेबीनार का समन्वय किया।

एकेडमिक्स के साथ रिसर्च पर दिया जाए जोर: प्रो. गुप्ता

ब्यूरो/नवज्योति, जयपुर। फैकल्टी डवलपमेंट प्रोग्राम इंडस्ट्री (4.0) में विभिन्न इंजीनियरिंग कॉलेजों के करीब 250 फैकल्टी मेंबर्स को फोर्थ जनरेशन इंडस्ट्री के एडवांसमेंट के बारे में जानकारी दी जा रही है। यह प्रोग्राम आरटीयू कोटा और पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के मेकेनिकल इंजीनियरिंग डिपार्टमेंट द्वारा आयोजित किया जा रहा है। आरटीयू के टेक्नप थर्ड द्वारा आयोजित इस पांच दिवसीय प्रोग्राम की सोमवार को शुरुआत हुई। मुख्य अतिथि आरटीयू के वीसी प्रो. आरए गुप्ता ने इंडस्ट्री इंस्टीट्यूशन की आपसी समन्वय की महत्ता बताई और कॉलेजों में एकेडमिक्स के साथ रिसर्च की आवश्यकता पर जोर दिया। थर्ड के कोऑर्डिनेटर प्रो. धीरेंद्र माथुर ने कहा कि टेक्नप एक्टिविटीज करान के लिए उन्हें महीने का एक्सपोजर मिला है। एमएस आरटीयू जयपुर के प्रो. जीएस डांगायच ने कहा कि फर्स्ट जनरेशन इंडस्ट्री में जहां गिने चुने पीसी हुआ करते थे। वहीं फोर्थ जनरेशन में आजी ऑटोमे प्यूट्स। रोबोटिक्स व ड्राइवरलेस जैसी तकनीक का काम करने के लिए। एकेडमी में एक्सपर्ट ग्रुप के डायरेक्टर राहुल सिंघी, कोऑर्डिनेटर डॉ. बीडी शिवहरे, पूर्णिमा कॉलेज के प्रिंसिपल डॉ. महेश बुंदेले, डॉ. पंकज घेमला, डॉ. यशपाल, डॉ. नारायण लाल जैन सहित अन्य लोगों ने भी अपने विचार व्यक्त किए।

सिक्योरिटी की मिली जानकारी

जयपुर (का.सं.)। राजस्थान टेक्निकल यूनिवर्सिटी (आरटीयू), कोटा तथा पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के आईटी डिपार्टमेंट की ओर से गुरुवार को 'क्लाउड कम्प्यूटिंग एंड ब्लॉकचेन' विषय पर एक्सपर्ट लैक्चर आयोजित किया गया। आरटीयू के टेक्नप थर्ड प्रायोजित इस ऑनलाइन प्रोग्राम में एसकेवीएस फाउंडेशन, इंदौर के फाउंडर व आईटी प्रोफेशनल प्रणय सिंह चौहान ने प्रतिभागियों को विषय से जुड़े विभिन्न पहलुओं की जानकारी दी। आरटीयू के वाइस चांसलर प्रो. आर.ए. गुप्ता ने ब्लॉकचेन तकनीक व इससे जुड़ी भावी चुनौतियों को समझने पर जोर दिया। आरटीयू की इवेंट कोऑर्डिनेटर डॉ. लता गिडवानी ने विषय के बारे में जानकारी दी। इस अवसर पर मेजबान पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के डायरेक्टर डॉ. महेश एम. बुंदेले, आईटी डिपार्टमेंट के एचओडी अमोल सक्सेना भी उपस्थित थे। इसमें विभिन्न इंजीनियरिंग कॉलेजों के फैकल्टी मेंबर व स्टूडेंट्स प्रतिभागी के तौर पर शामिल हुए। मुख्य वक्ता प्रणय सिंह चौहान ने शुरुआत में ब्लॉकचेन के फंडामेंटल्स और इससे रिलेटेड एप्लीकेशंस के बारे में बताया। उन्होंने क्रिप्टोकरेंसी व बिटकॉइन के बारे में विस्तार से बताया। चौहान ने बताया कि इंटरनेट पर कुछ तरीके अपनाकर साइबर फ्रॉड से बचा जा सकता है। उन्होंने सेफ नेट बैंकिंग के टिप्स देते हुए कहा कि इसमें हमेशा टू स्टेप वेरिफिकेशन का उपयोग करना चाहिए। मुख्य वक्ता ने क्लाउड कम्प्यूटिंग और इसमें डेटा सिक्योरिटी के साथ–साथ क्लाउड मार्केट, क्लाउड कम्प्यूटिंग में स्कोप, क्लाउड लिमिटेशंस, क्लाउड सिक्योरिटी, डिस्ट्रीब्यूटेड लेजर टेक्नोलॉजी के बारे में भी बताया। अंत में होस्ट इंस्टीट्यूट इवेंट कोऑर्डिनेटर शिरीष नागर द्वारा धन्यवाद ज्ञापित किया गया।

बीटेक की नई ब्रांच स्टूडेंट्स को आ रही पसंद

वर्तमान सत्र से शुरू किए गए दो नए कोर्स

ब्यूरो/नवज्योति, जयपुर। पूर्णिमा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (पीआईईटी) और पूर्णिमा ग्रुप ऑफ इंस्टीट्यूट्स (पीजीआई) में इस शैक्षणिक सत्र से शुरू किए गए नवीन कोर्सेज को स्टूडेंट्स का काफी रुझान देखने को मिल रहा है। आरटीयू से संबद्ध इन कॉलेजों द्वारा बीटेक में आर्टिफिशियल इंटेलीजेंस एंड डाटा साइंस (पीआईईटी) 60 व पीजीआई 60 सीट और कंप्यूटर इंजीनियरिंग के तहत आर्टिफिशियल इंटेलीजेंस में स्पेसलाइजेशन (पीजीआई 60 सीट) वाली ब्रांच शुरू की है। एडमिशन डायरेक्टर डॉ. नीरज जैन ने बताया कि इस प्रकार के कोर्सेज के लिए राजस्थान के स्टूडेंट्स को अभी तक दूसरे राज्य या प्राइवेट यूनिवर्सिटी में जाना पड़ता था, लेकिन इंजीनियरिंग के प्रति स्टूडेंट्स का रुझान बढ़ाने के लिए एआईसीटीई द्वारा कुछ नए पाठ्यक्रमों का सिलेबस डिजाइन किया गया है। इनमें से आरटीयू द्वारा शुरू किए इस कोर्सेज को राज्य सरकार के तकनीकी शिक्षा विभाग ने इस वर्ष के सीट मेट्रिक्स में शामिल कर इन्हें हरी झंडी दे दी है।

तकनीकी विस्तार को मिलेगा बढ़ावा

प्लेसमेंट ऑफिसर दीप्ति लोढा ने कहा कि आर्टिफिशियल इंटेलीजेंस की वजह से भारत के पांच प्रमुख औद्योगिक और सेवा क्षेत्रों में तकनीकी विस्तार को बढ़ावा मिलेगा और अच्छी जगह नौकरी भी मिलेगी। एकेडमिक एक्सपर्ट डॉ. दिनेश कुमार गोयल व करियर काउंसलर सुशील जैन ने बताया कि मैथ्स एवं कंप्यूटर के क्षेत्र में अच्छी पकड़ रखने वाले स्टूडेंट्स के लिए आने वाले वर्षों में रोजगार की असीम संभावनाएं उत्पन्न होने वाली है। स्मार्टफोन की तर्ज पर अब एआई तकनीक को हरेक उपकरण के साथ लाने की कोशिश की जा रही है।

हर वीक इंडस्ट्री की जरूरतों को समझेंगे स्टूडेंट्स

पत्रिका PLUS रिपोर्टर

जयपुर ◆ स्टूडेंट्स को इंडस्ट्री रेडी व एम्प्लॉयबल बनाने के लिए पूर्णिमा ग्रुप की ओर से वीकली इंडस्ट्री इंस्टीट्यूट इंटरेक्शन 'आई थ्री डे' की शुरुआत की गई है। नियमित ऑनलाइन क्लासेज के बीच इसके लिए सप्ताह में शुक्रवार का दिन तय किया गया है।

ग्रुप के डायरेक्टर, एडमिशन डॉ. नीरज जैन ने बताया कि इस दिन इंडस्ट्री के विशेषज्ञ स्टूडेंट्स को सिलेबस से हटकर छह घंटे का ऑनलाइन टेक्निकल व नॉन-टेक्निकल प्रशिक्षण दे रहे हैं, जिससे वे इंडस्ट्री की जरूरतों व लेटेस्ट ट्रेंड्स को बारीकी से समझ रहे हैं। इस दौरान स्टूडेंट्स को ... एक्सपर्ट्स के साथ सीधा ...शन करने का अवसर मिल है। इसमें बड़ी कम्पनियों के भी शामिल हैं।

मशीन व डीप लर्निंग के लेटेस्ट ट्रेंड्स पर हुई चर्चा

ब्यूरो/नवज्योति, जयपुर। राजस्थान टेक्निकल यूनिवर्सिटी (आरटीयू) कोटा और पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के कंप्यूटर इंजीनियरिंग डिपार्टमेंट की ओर से ट्रेंड्स एंड एप्लीकेशंस इन मशीन एंड डीप लर्निंग विषय पर दो दिवसीय फैकल्टी डवलपमेंट प्रोग्राम आयोजित किया गया। इसमें करीब 150 फैकल्टी मेंबर्स शामिल हुए। इन सभी प्रतिभागियों को मशीन व डीप लर्निंग के विभिन्न पहलुओं की जानकारी दी गई। एमएनआईटी जयपुर के असिस्टेंट प्रोफेसर प्रो. कुलदीप सिंह ने डीप लर्निंग के विभिन्न मॉडल्स के बारे में बताया। यूनिवर्सिटी ऑफ कोटा के डायरेक्टर आईटी प्रो. ओमप्रकाश ने डीपफेक टेक्नोलॉजी के बारे में विस्तार से बताया। नीवीया लाइफ केयर गुरुग्राम के इंजीनियर अक्षत गुप्ता ने बताया कि बीमारियों की पहचान व दवाओं के चयन में यह तकनीक काफी सहायक साबित होती है। इस मौके पर आईआईटी, गांधीनगर के असिस्टेंट प्रोफेसर नितिन खन्ना, डॉ. अशोक भंसाली सहित अन्य लोगों ने भी अपने विचार रखे।

सस्टेनेबल एनर्जी व ग्रीन टेक्नोलॉजी के ट्रेंस पर चर्चा

जयपुर (सीमा संदेश)।

पूर्णिमा कॉलेज ऑफ इंजीनियरिंग की ओर से 'सस्टेनेबल एनर्जी, एनवायरमेंट एंड टेक्नोलॉजीज' विषय पर दो दिवसीय वर्चुअल इंटरनेशनल कॉन्फ्रेंस आयोजित की गई। इसमें नीदरलैंड में सैंटरी इंजीनियरिंग के प्रोफेसर डॉ. दानिश इंडानगोविक उद्घाटन समारोह के मुख्य अतिथि, जबकि कनाडा के सोनियार ग्लोबल बॉस एडवांजर सुनील राजसरोज और आईआईटी, दिल्ली के पूर्व प्रोफेसर प्रो. एलएम दास गेस्ट ऑफ ऑनर थे। आईआईटी मद्रास के प्रो. केएस रेड्डू, सोविटीईंस कनाडा के प्रो. एमबी रेड्डू, राजस्थान विवि के सेंटर फॉर एडवांस स्टडीज की डॉ. आलका शर्मा मुख्य वक्ता थे। पूर्णिमा ग्रुप के डायरेक्टर राहुल सिंघी, पीसीई के ... प्रिंसिपल डॉ. महेश एम. बुंदेले और वाइस प्रिंसिपल पंकज घेमला के प्रो. केएस रेड्डू इंजीनियरिंग के समान समारोह के मुख्य अतिथि थे। आईआईआईटी, जोधपुर के डॉ. बी. रविंद्र गेस्ट ऑफ ऑनर थे।

कोरोना काल में भी इंजीनियरिंग स्टूडेंट्स के लिए 'गुड न्यूज'
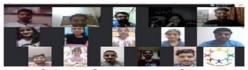
ANCHOR
स्टूडेंट्स को प्लेसमेंट से पहले मिल रही है कंपनीज की वर्किंग नॉलेज
मल्टीनेशनल कंपनियां छात्रों को बना रही हैं रेडी फॉर इंडस्ट्री

पत्रिका PLUS रिपोर्टर

सॉफ्ट स्किल्स में पर्सनैलिटी ग्रूमिंग

जयपुर ◆ इंजीनियरिंग के ड्यूरेशन एग्जामिनेशन में स्टूडेंट्स के लिए ऑनलाइन सेशन ...

सिलेबस से हटकर ट्रेनिंग

कोरोना के चलते विभिन्न कंपनियों के एक्सपर्ट्स व ऑनलाइन सेशन में स्टूडेंट्स को विभिन्न आर्टिफिशियल इंटेलीजेंस, डेटा साइंस ... टेक्नोलॉजी से जुड़ी ...

टेक्निकल ट्रेनिंग के जरिए जानकारी

एकेडमिक्स के प्रोफेसर जानकारी देने के साथ इन स्टूडेंट्स को सिलेबस से हटकर मल्टीनेशनल कंपनियों के विशेषज्ञों की ओर से कॉलेज के छात्रों को ... टेक्निकल ट्रेनिंग दी जाती है।

रिसर्च को मिलेगा बढ़ावा एमओयू साइन

मेटेरियल्स, इंस्ट्रुमेंटेशन, नैनो साइंसेज, फोटोनिक्स क्षेत्र में होगी रिसर्च

ब्यूरो/नवज्योति, जयपुर। पूर्णिमा कॉलेज ऑफ इंजीनियरिंग के मेकेनिकल डिपार्टमेंट व प्रमुख इंजीनियरिंग इंस्टीट्यूट के बीच एमओयू साइन हुआ ...

कोविड में जरूरतमंदों का मददगार बना हेल्पिंग हैंड्स ग्रुप

जयपुर। कोविड-19 महामारी के मुश्किल दौर में हेल्पिंग हैंड्स ग्रुप की ओर से 1350 से अधिक जरूरतमंद लोगों की मदद की जा चुकी है। ग्रुप की ओर से कोरोना की दूसरी लहर के दौरान कोविड ड्राइव के रूप में नई पहल की गई, जिसके तहत जरूरतमंद लोगों को ऑक्सीजन सिलेंडर, प्लाज्मा, बिस्तर, भोजन आदि की वेरिफाइड जानकारी उपलब्ध कराई गई।

कोरोना के चलते आईटी इंडस्ट्री की तरफ यूथ का फोकस
स्टूडेंट्स में कंप्यूटर कोर्सेज का क्रेज

पत्रिका PLUS रिपोर्टर

जयपुर। कोरोना के कारण नए सेशन में स्टूडेंट्स कंप्यूटर साइंस, आईटी, डेटा साइंस और आर्टिफिशियल इंटेलिजेंस जैसे कोर्सेज को प्रायोरिटी दे रहे हैं।

एआई, इंटरनेट ऑफ थिंग्स मशीन लर्निंग और बिग डेटा कोर्स हैं प्रमुख
तकनीकी विस्तार को बढ़ावा दे रहे हैं बीटेक के स्पेशलाइज्ड कोर्स

रेणु ने 5 दिन में पूरी की 1500 किमी राइड

इंजीनियरिंग की नई ब्रांचेज के बीच कोर ब्रांचेज भी स्टूडेंट्स की पसंद
सीएस आईटी पहली पसंद, कोर ब्रांचेज का क्रेज भी है बरकरार

ऑफलाइन कैंपस विजिट भी कर रहे हैं

अभिनेता विद्यार्थी ने किया स्टूडेंट्स को मोटिवेट

ब्यूरो/नवज्योति, जयपुर। पूर्णिमा ग्रुप के स्टूडेंट्स के लिए वर्चुअल ओरिएंटेशन प्रोग्राम पहला कदम की शुरुआत हुई।

आरटीयू के टॉप लिस्ट में पूर्णिमा ग्रुप के दो कॉलेज शामिल

प्रोजेक्ट बेस्ड लर्निंग पर एआईसीटीई ट्रेनिंग प्रोग्राम शुरू

आई ट्रिपलई इंटरनेशनल कॉन्फ्रेंस की हुई शुरुआत

पूर्णिमा यूनिवर्सिटी की प्रथम ऑनलाइन काउंसलिंग कल से

जयपुर (का.सं.)। रोजगारोन्मुखी शिक्षा के क्षेत्र में राजस्थान की अग्रणी पूर्णिमा यूनिवर्सिटी की ओर से 29 जुलाई से 31 जुलाई तक प्रथम ऑनलाइन काउंसलिंग आयोजित की जाएगी।

शहर के कॉलेजों और विश्वविद्यालय में गत वर्ष के मुकाबले ज्यादा आवेदन
सिटी से बाहर नहीं जाना चाहते स्टूडेंट्स, यहीं ले रहे हैं एडमिशन

आईआईटी व एनआईटी के एक्सपर्ट दे रहे ट्रेनिंग

कोविड में जरूरतमंदों का मददगार बना हेल्पिंग हैंड्स ग्रुप

- एक माह में 1350 से अधिक लोगों को उपलब्ध कराई गई मदद
- सचिन पायलट व मनोज वाजपेयी द्वारा सराहा गया योगदान

डॉ. मोहम्मद इसरार आउटस्टैंडिंग इंजीनियरिंग सर्विसेज टू सोसाइटी अवार्ड्स से सम्मानित

कोविड के साथ जीवन में आई चुनौतियों पर वेबिनार में चर्चा

सिटी रिपोर्टर, जयपुर

'पोस्ट कोविड चैलेंजेज ऑन लाइफ एंड लाइवलीहुड' विषय पर आरटीयू, कोटा और पूर्णिमा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी की ओर से दो दिवसीय वर्चुअल इंटरनेशनल कॉन्फ्रेंस आयोजित की गई।

INTRODUCTION OF HOSTELS AT POORNIMA

Mr Ashwini Lata
Director, Student Welfare

The cost of discipline is always less than the price of Regret; so self-discipline is the biggest investment for success in life. It gives us mammoth inclination to welcome you all to be a part of PCE family that strives to provide students a homely and healthy atmosphere with complete Safety and security in the hostel. At the hostels of PCE, we not only take efforts to provide its students a neat and clean environment and a comfortable place to live in, but encourage them to live in discipline. We understand discipline is the key to success and career building; hence we promote self-discipline among students.We know hostel life is a union of diverse cultures and different upbringings, which blends into a harmony for a rich and memorable experience. We provide atmosphere where they can learn, laugh and live to the fullest. The Wardens and caretakers ensure that the students get a clean, green and relaxed atmosphere. We promote green sustainability inside the hostel premises.PCE hostel infrastructure is fastened with amenities like 24 hour power supply, cold and hot water availability, Wi-Fi connectivity, clean and hygienic environment, spacious and comfortable rooms, central air conditioning cooling system, clean toilets, periodic disinfection of building, mess with dedicated staff, nutritious menu with variety, laundry support, activity room, playgrounds, 24 hours medical facility and many more things inside hostel campus and 24-hour security and well-equipped gym.Comforts are important but they are not enough. Talent shows, dramatics and literary events are organized from time to time. The inmates of hostel are encouraged to live in harmony, alike one big family, offering each other a helping hand whenever required. Mutual cooperation is to make hostel life a rich and fruitful experience. Living in a hostel presupposes high degree of integrity, mindfulness, cooperation, open-mindedness and hard work for a bright future and good image of the institution. It also becomes the highest obligation & responsibility of all residents that they must keep the University hostel free from Polythene, Alcohol, Smoke etc. to ensure pollution free environment and refrain themselves to be part of any unlawful act including ragging to avoid any severe disciplinary action from the college.

Life at Poornima Hostels and its advantages at a glance:

It is said that home is sweet. But even then life at home cannot be compared to the life in a hostel. The greatest blessing of hostel life is independence. Apart from the general rules and regulations, which are to be followed necessarily by everyone, one is his/her own master. Here, life is full of opportunities and amusement. One is constantly in touch with young person of one's age. One can make friends with one's hostel fellows who have varied tastes and aptitudes. He/she may choose friends according to their own liking. In a hostel, a student comes in contact with a number of other students. He acquires many good qualities from them. When a student sees his/her next door neighbor daily taking morning exercise, he/she also gets inspiration for trying to be healthy. One good student may become an example for other 25 hostlers. When one is ill, all his hostel fellows try their best to serve him/her. Mutual cooperation, sympathy, and love are characteristics of hostel life.

In nutshell it will not be an exaggeration to say that 'only a hostel is the place where an all-round development of personality is possible'.

Apart from it following are the characteristics features of hostels at Poornima Group:

- Congenial atmosphere for study
- Students learn many good things in hostels
- There is a fixed time for everything making students habitual
- Students lead a disciplined life
- Students learn regularity and punctuality
- Students can get help from the bright students
- Increased aesthetical, cultural and intellectual values
- Students can also borrow books from one another
- Students have the opportunity of reading newspapers
- Students learn many useful lessons of life
- Students have to do everything for themselves
- Student creates in them the habit of self-reliance
- Festivals are celebrated
- Great opportunity to develop social skills
- Much better records of attendance, results & placements as compared to non-hostellers
- Increased opportunity for students to become team leader for various fests of institutions as well as hostel
- Free Internet in Internet Lab
- Mentorship Program
- Special lectures by expert teachers under mentorship program
- Various activities for skill enhancement
- Various activities for placement preparation
- Separate Hostel Library
- Opportunity to actively participate in many Intra &Inter hostel competitions
- Learning experience to manage monthly expenses
- Negligible commute time from hostel to institution, thus saving time for other activities
- Hostellers get preference for attending campus sponsored events
- Huge academic support from friends& faculty members available 24x7
- Regular Alumni interactions
- Hobby oriented programs available
- Full access to all sports facilities
- Tuition Shuttle Service
- Regular housekeeping & maintenance
- Hot water through solar water heater available throughout winters
- Purified & Chilled RO water (available only in PF hostels)
- Variety of items available at subsidized rates @ canteen and provision store
- 100% Secured campus
- 24x7 electricity backup
- 24x7 Medical facilities and Ambulance
- 24x7 Wi-Fi facilities (for all Wi-Fi enabled gadgets)
- Complete Gymnasium with ultramodern equipment
- Laundry Facilities
- Guest house facility for parents
- TV room, Seminar Halls &ArbudaConvention Centre for watching movies and cricket matches.

In the past eighteenth years PF hostels has shown a tremendous growth rate in every aspect and has produced a successful team of techno-gurus. PF hostels has not only focused on academics but also on the overall personality growth of every student residing in hostels. PF hostels has an aim of "stepping towards perfection". To fulfill this aim we trying from heart. For this purpose we are going to implement a lot of new ideas in hostels. We will also have a lot of non-academic activities to provide a better environment for perfection which leads PF hostels closer to its aim.

HOSTELS @POORNIMA COLLEGE OF ENGINEERING

Message

Gayatri Girls Hostel: 'A room for all - A home for all'.

Our Gayatri Girls hostel is standing on the foundation of 3D's- Dedication, Determination and Discipline. Here we try to provide a conducive environment to study, to focus and to learn something new regularly. Our hostel provides girls a great platform to grow, enhance and to express themselves through various mediums like- Tatva (Hostel fest), Mentorship and many more. Here we are concern about student's all round development. I believe hostel life is one of the integral part of a student's life, as here they adhere into new routines, they learn to become independent of their own decisions, students become more responsible of their things and most importantly the evolve helpful and cooperative nature in hostel by helping their, This what happens in the Poornima hostels. Here at Gayatri girls' hostel we are also very much concern about each and every student's health and security. Homesickness has never been a concern for the students residing in our hostel. We believe in concept of "Home away from home".

Mrs. Sudha Jain
Chief Warden, Gayatri Hostel

MENTORSHIP PROGRAM:

Art and Craft Club: Art and Craft club is the club which brings out the creativity from the students. This club is basically for the hostellers and especially for those who are interested in learning some new skills related to art and craft. In this club the students are aware of many new things like paper craft, clay modeling, writing fonts in calligraphy and many more things. The club activities related to art and craft helps the student to develop their interest and passion in a particular field.

Dance, Drama and Music Club: Dance, drama and music is a performing art form consisting of purposefully selected sequences of human movement. This movement has aesthetic and symbolic value, and is acknowledged as dancer by performers and observers within a particular culture. Drama is the specific mode of fiction represented in performance like a play opera. In this club, we aim to enhance a person's skills for dance, drama and music. It supervises every moment for a person to reach high in dance, drama and music.

Media and Marketing Club: We humans are social animals. We stack ourselves up against an established social hierarchy. Likeminded people get together and form a small social group. In the era of internet, it is 100 times easier to connect with likeminded people. As a club, we bring together some of the brightest minds, interested in exploring the ever changing dynamics of marketing. The club aims at keeping members abreast with the latest on marketing while integrating the vast experience of its members across functions and industries such as advertising, research, sales, branding communication and digital marketing to name a few.

Personality Development Club: "The only person you are destined to become is the person you decide to be"

Personality development makes you a confident individual who is appreciated and respected wherever he goes. Our personality is developed over the years and hence it is important to make sure that we imbibe positive traits in ourselves right from a young age. That is why the personality development classes come into the picture. As it will help the individual to set goals and reach to the potential.

Poornima Pathshala Club: We are a group of dedicated students who aim to use the club to provide a wide range of activities to broaden students. Poornima pathshala is the social welfare community of Poornima foundation. It educates society by providing quality education to the young ones regardless of their social and economic status. To ensure overall development of the child to make him self-reliant and a responsible member of the society. Hence, this movement has been initiated to educate the underprivileged children and bring the light of knowledge in their darkness of poverty.

TATVA TORQUE- Hostel fest: Hostel fest is the best part of hostel life. No studies, no strictness over fun, no boundations over attire. This is the time when all the girls enjoy together rather she is senior or junior. Every year, hostel fest held in March for three days. Overall theme of Tatva Torque is O 'WOMANIYA. Every day has specific themes .Every girl has to dress up according to respective theme. Events are the big part of fest. There were more than 20 events this year comprising of technical, sports, club and cultural. Decorations attract every new junior and students make efforts to decorate the hostel as best they can. The biggest event was Facet diva. One girl has been crownd as Facet diva. Final year is the organizing team. Overall, students can make more memories by taking part in hostel fest.

Mehndi: Mehndi is a paste used to apply on hands on auspicious occasions in Indian culture. Girls or women used to decorate their hand by mehndi as a temporary form of skin decoration.Mehndi can prevent too much stress because it cools the body and keeps the nerves from becoming tense.

Rumal Jhapatta: Rumal Jhapatta is the kind of an outdoor game organized in three rounds. First round was the selection of teams out of the total registered teams. In this game a handkerchief is used and placed inside the center circle. The players of both the team should remain outside the circle. The players of both the teams have to rotate around the circle atleast once and then only they can take the handkerchief from center

Open Mic: An open mic a live show at a coffeehouse, comedy club or institution at which audience members who are amateur performers or professionals who want to try out new material or plug an upcoming show are given the opportunity to perform onstage. Typically, as the name suggests, the performer is provided with a microphone which is plugged into a PA system, to make the individual's performance loud enough for the audience to hear. Often the performers sign up in advance for a time slot with the host or master of ceremonies, typically an experienced performer or the venue manager or owner. The master of ceremonies may screen potential candidates for suitability for the venue and give individuals a time to perform in the show.

Let's make a page: Let's make a page is the competition for making the best web page.. The participants has to make a web page which consists of a registration form with the given requirements. It was organized in the Net Lab on 15th March.

Solo/Duet Dance: Dance is a performing art form consisting of purposefully selected sequences of human movement. This movement has aesthetic and symbolic value, and is acknowledged as dance by performers and observers within a particular culture.]Dance can be categorized and described by its choreography, by its repertoire of movements, or by its historical period or place of origin. Solo/Duet dance competition organized in two rounds. First round was the audition round, wherein the teams had to show the dance routine and submit the songs to the coordinators. The main stage event was on 15th & 16th March, 2019.

Beg Borrow Steal: Beg Borrow Steal is organized in two rounds. It is a group event in which each team have two participants. First round was the registration round, where the interested person registers itself on the given website. The main round held on Hostel gate on 15th march, 2019.
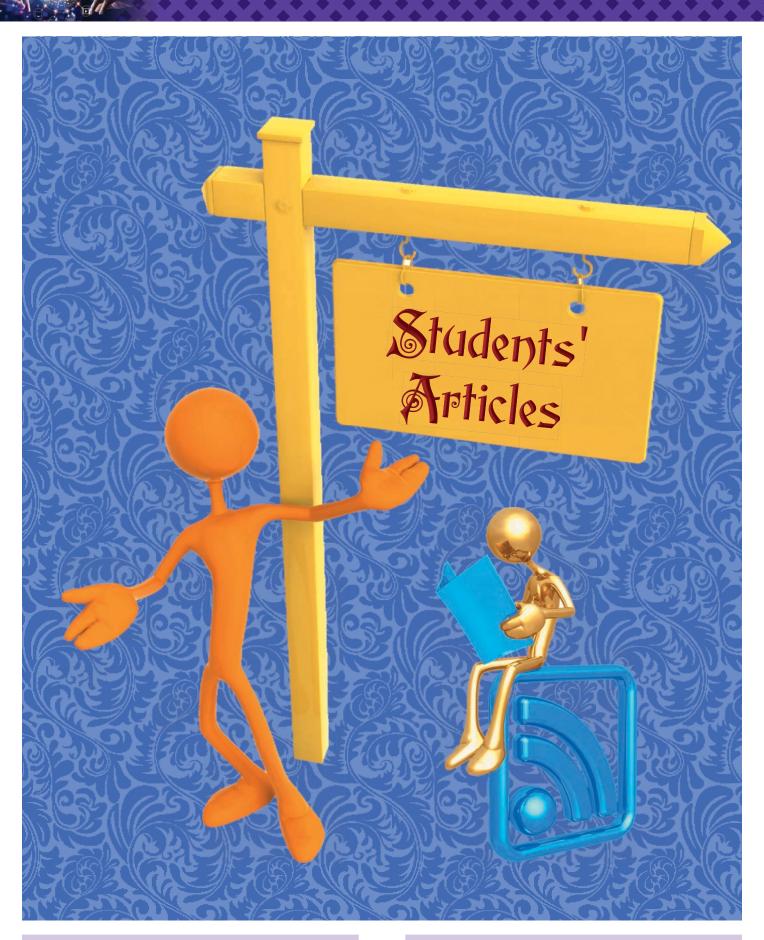
Crazy Selfie: Crazy Selfie is the kind of fun activity where people have to make different type of funny faces or make the video of the respective task. This is an individual task and done with the help of crops (broom, whistle etc).

100m Race: The 100-meter sprint is an exciting event. One of the truest forms of human competition, sprinters must run in a straight line as fast as possible. The winner of the 100-meter sprint is the first runner to cross the finish line.

Tug of War: Tug of war is a sport that pits two teams against each other in a test of strength: teams pull on opposite ends of a rope, with the goal being to bring the rope a certain distance in one direction against the force of the opposing team's pull.

Facet Diva: Facet Diva is a event in which girls participate and undergo various rounds, being tested on the basis of strength, intelligence, physical appearance and personality. This is conducted by the fourth year student. And finally judges are smaller for final assessment.

Flash Mob: A flash mob is a group of people who assemble suddenly in a public place, perform an unusual and seemingly pointless act for a brief time, and then quickly disperse, often for the purposes of entertainment, satire, and artistic expression.

Students' Articles

THE DIGITAL TRANSFORMATION OF BUSINESS MODEL INNOVATION

The phenomenon of digital transformation has become very popular in recent years. Digital transformation or "digitalization" is "the integration of digital technologies into business processes". The exploitation of digital technologies offers opportunities to integrate products and services across functional, organizational, and geographic boundaries. Digital technologies have substantially transformed the business and society, bringing fundamental changes through the new emerging approaches of the circular and sharing economy. The new digital environment requires firms to use digital technologies and platforms for data collection, integration, and utilization, to adapt to the platform economy and to find growth opportunities to remain competitive. From a theoretical perspective, this study contributes to these digitally-enabled types of Business Models Innovations, which make the emergence of Business Models a promising unit of analysis for undertaking innovation strategies. It also responds to the knowledge gap in the literature and enriches our understanding in the digital transformation of Business Models.

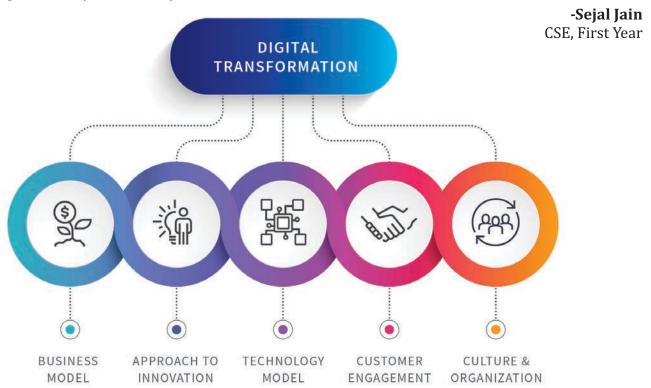### Objectives of Digital Transformation

To improve service-Service improvement is one of the cornerstones of digital transformation. Any internal enhancements cannot be for the sake of themselves. Customers must enjoy a better service and their needs must be met faster and more fully.

To create new business models- Every business operates through a series of repeated processes. Digital transformation allows competencies to be refined to improve processes.

To create new business models-The digital revolution has opened several new business models. Improvements in technology mean that old business models can be usurped and taken over in no time.

To reduce costs- Cost-reduction is highly-desired in business. Since the days of the industrial revolution which mechanized hand-driven processes, cost reduction has been the difference between business survival and failure.

To improve employee performance-Digital transformation can create a work environment where employees can improve productivity in their daily work lives.

-Sejal Jain
CSE, First Year

DIGITAL TRANSFORMATION

BUSINESS MODEL | APPROACH TO INNOVATION | TECHNOLOGY MODEL | CUSTOMER ENGAGEMENT | CULTURE & ORGANIZATION

INNOVATION VS. TRANSFORMATION: THE DIFFERENCE IN A DIGITAL WORLD

One of the major differentiating factors between transformation and innovation is speed—or lack thereof. Transformations take time—moving from one state to another is a process. Innovation, on the other hand, usually refers to a sudden spark of creativity, and the incipient actions that lead to implementing that spark into a company's strategy. Innovation requires encouragement, collaboration, and communication, but it typically implies clear steps that must be taken—it's the start of something great. What happens after is transformation—the implementation process following that first spark of innovation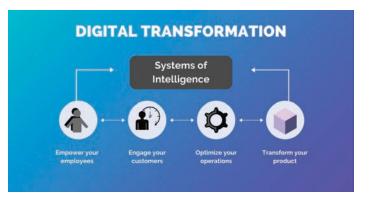. It also suggests an eventual end once the transformation has been completed. Digital transformation is a clear example of the difference between innovation and transformation. Essentially, digital transformation describes the process by which a company forms a strategy to implement technology to improve business and meet the ever-changing demands of the consumer. The goals of a digital transformation can include broadening the company's reach, improving operational efficiency, transmuting the company's culture and image, or all the above. Traditional business practices are consistently put to the test in the face of evolving technology, and it's important for modern companies to recognize technology's potential and accept when the time for change has come.

-Jasmine Chillar
CSE, First year

DIGITAL TRANSFORMATION AND INNOVATION

Digital Transformation is a phenomenon that is taking the world by storm. It is changing the way we live, the way we think. It is changing the very fabric of our society. To be on top of this revolution, it is important to be aware of its origins, its path and its reach. This article will cover the digital world that we live in, in today's era.

The integration of digital technology into all elements of an organization, radically changing how you operate and give value to people, is known as digital transformation. Machine learning, Automation, Algorithms have changed the world we li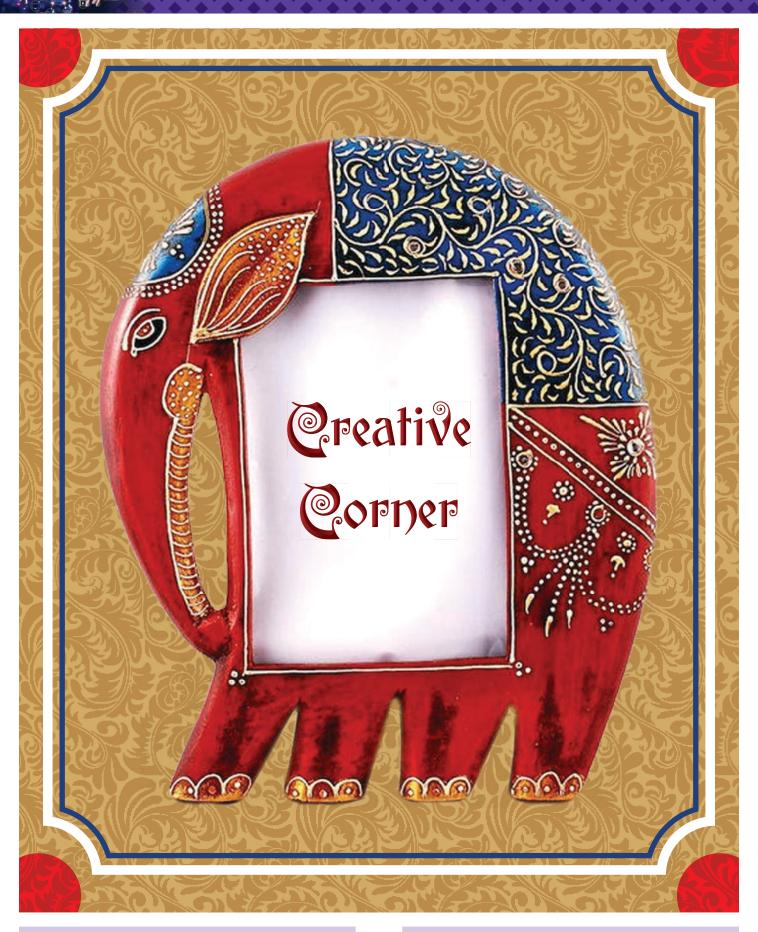ve in. They have not only made life easier but have also changed the way we look at things. As a matter of fact, one cannot imagine a day without using one of these terms and that too not to mention the use of bots. There are bots which help us in our day-to-day life. They help us by booking our cabs and make our lives easier.

The digital world has changed the way we used to do things. No need to spend a lot of money on everything, everything has a cheaper and an easier way to do it. This makes our lives easier and we can give more time to do other things.

This COVID-19 pandemic may be wreaking havoc on our industry, social lives, and personal grooming standards, but it's also inspiring a burst of innovation in other areas. New inventions during this pandemic are A hands-free door opener Snood mask with an antiviral coating Month-long prototypes The above article shows what digital transformation is and its effect on our lives. The digital transformation is changing the life scene and it is utilized to make our lives more effective. It is an essential change of life that must be founded on plans of action.

-Satyam Shandilya
CSE, First year

Creative Corner

Life's Like a Flute!

It may have many holes and emptiness but if one works on it carefully it can play magical melodies. It is one of the many ways to connect to the almighty and feel empowered.

KRISHNA JAIN, a student of Computer Science and Engineering, PCE has an amazing Flute player in the whole Poornima Group. He is a self-made artist who's put his heart and soul into learning and playing the flute. Every year Poornima endures gems like Krishna and many more that encourage others that nothing is impossible to achieve if one has the dedication and true intentions to achieve it.
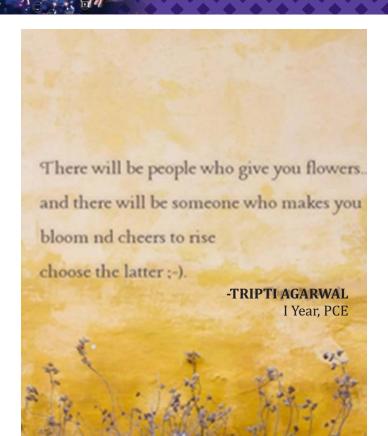
Online Exams, A Journey begins

Cluster of answers for every single question
Whatsapp groups and meet links
become a part of the cycle
Half of the time flews in search
of answers on net
Sharing the answers in groups and everyone
writing the same answers
Giving the teacher reasons to doubt
So imitation needs famine becomes
the motto of the class
Unity and google becomes crucial elements
And finally, we become habitual to teamwork.

-SHRISHTI AGARWAL
I Year, PCE

इंसान इंसान खुद को बांट रहा है
इंसान इंसान खुद को काट रहा है
ऐ खुदा क्या हो रहा है इस दुनिया में
यह वही इंसान हैं जो किसी वक्त एक दूसरे के लिए जान
कुर्बान करता था
आज वो एक मौका नहीं छोड़ता एक दूसरे को मारने
के लिए
अगर आज इस इंसान को यहीं नहीं रोका
तो यह इंसान, इंसानियत नहीं बचेगी
ऐ खुदा क्या हो रहा है इस दुनिया में
इंसान इंसान का ना रहा

-ABHISHREE MUNDRA
I Year, PCE

There will be people who give you flowers.
and there will be someone who makes you
bloom nd cheers to rise
choose the latter :-).

-TRIPTI AGARWAL
I Year, PCE

बचपन

रोता था तो सवाल नहीं, सोता था तो ख्याल नहीं,
अब रोता हूँ तो सवाल खड़े होते हैं,
अब सोता हूँ तो ख्याल बड़े होते हैं,
वक्त के साथ न जाने कहा खो गये,
हम बच्चे, बच्चे थे तो अच्छा थे।
जिन्दगीकाभारनहीं, वक्त की परवाह नहीं,
अब जिन्दगी पर भार पड़े, वक्त के है मार बड़े,
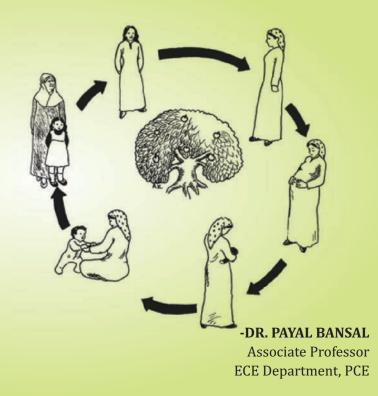वक्त के साथ न जाने कहा खो गये,
हम बच्चे, बच्चे थे तो अच्छा थे।

-AMAN MUDGAL
II Year, ECE, PCE

ख्वाब

एक ख्वाब के लिए नींदों से लड़ता रहा मै,
मेहनत का हथियार लेकर किस्मत से जघड़ता रहा मैं,
मै एक पंछी हूं जिसने उड़ना अभी सीखा कहां है,
मेरे ख्वाबों में वो आसमान है जहां से दिखता जहान है,
जितनी बार भी उड़ता हूं, हर बार गिर जाता हूं,
पर जिस ख्वाब ने नींदे उड़ाई है,
उसके लिए संभल जाता हूं...
100 में से कोई एक है जो हौसला बढ़ाता हैं,
बाकी लोगो का एक ताना फिर नीचे खींच लाता है,
फिर वो आसमान जेहन में आता है,
उसे देखता हूं तो फिर हौसले का एक पर आ जाता है,
सोचता हूं अब सिर्फ नभ की सुनूं, सिर्फ ख्वाब की सुनूं,
लोगो के लिए बहरा सा हो जाऊं,
फिर उड़ान भरु एक खूबसूरत सवेरा सा हो जाऊं,
यही तो जिंदगी है, मै चलूं, गिरू, फिर उठ जाऊं,
जितनी बार भी ठोकर लगे संभल जाऊं,
जेहन में आसमान का ख्वाब जो रखा है,
सोचता हूं ख्वाब के भी पंख लगाऊं,
और अंतरिक्ष तक ले जाऊं,
सोचता हूं अब दुनिया की ना सुनूं
ख्वाब का पीछा करू,
और इस दुनिया को ख्वाब की ताकत दिखलाऊं,
एक बार आसमान की सैर कर आऊ...
एक बार आसमान की सैर कर आऊ३

-ASHUTOSH UPADHYAY
I Year, CS, PCE

बदलाव जिंदगी का

जिंदगी के सफर में सब बदल गए,
बस, एक मां बाप थे जो वही रह गए !!
हर पड़ाव पे बदला रूप जिंदगी ने,
चेहरे वही रहे, पर शक्स बदल गए!!
बचपन ने बदला रूप जवानी का,
छाया एक नया मंजर हर तरफ रवानी का,
खुले हाथों में आई थी खुशियां हजार,
सब कुछ फिसला और हाथ फिर खुले रहे गए!!
चेहरे वही रहे पर शक्स बदल गए...
जवानी ढली और बुढ़ापा आ गया,
चेहरे का नूर फिर लकीरों में छा गया,
उड़ती हवाओं के संग बहने लगी जिंदगी,
पर वो रास्ते बहुत पीछे रह गए!!
चेहरे वही रहे पर शक्स बदल गए३
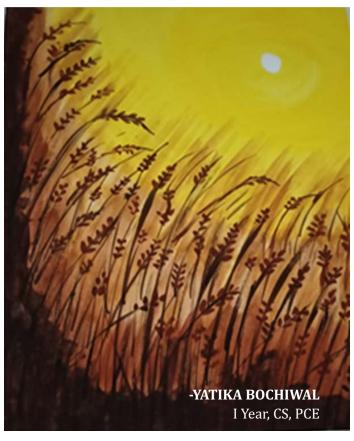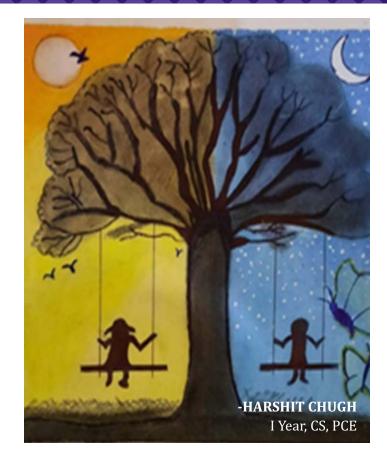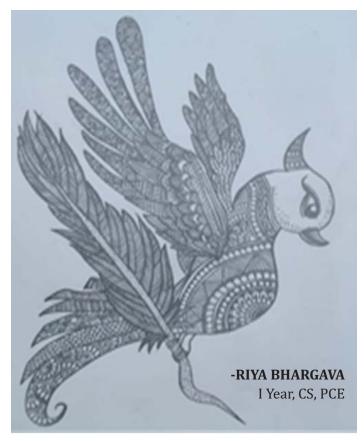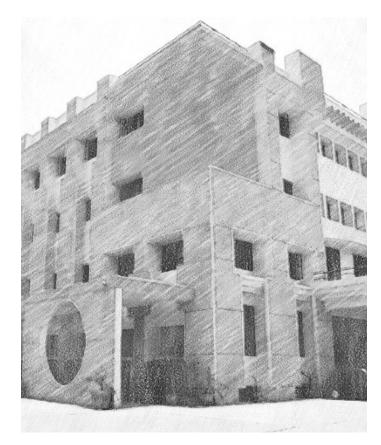
-DR. PAYAL BANSAL
Associate Professor
ECE Department, PCE

-HARSH JAIN
I Year, CS, PCE

-JASMINE CHHILLAR
I Year, CS, PCE

-YATIKA BOCHIWAL
I Year, CS, PCE

-HARSHIT CHUGH
I Year, CS, PCE

-RIYA BHARGAVA
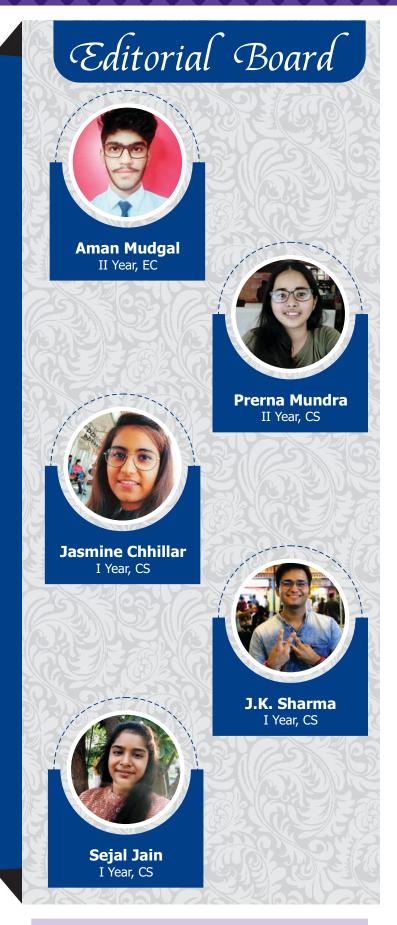I Year, CS, PCE

Memories Lane

The exemplary skill of depicting the perfect classroom teaching in a few strokes of the pen was just the incentive required that went on to stimulate this edition of the magazine, titled "Poornima Winners" and the theme "Digital transformation and Innovation".

The idea that set this forth was to have a platform allowing Poornimites to exhibit, apart from professional qualifications, their creativity, literacy, coding, language, art and such social skills one must possess in today's world. The process which followed made us realize the potential of our youth, of the inertia of energy ripe to be channelized into a novel approach for a better and fulfilling future.

These doctrines thus culminated into the pioneering work of students who have inspired us with their creativity in culture and mythology, approach towards nature, humanitarian persona and principles for social upliftment. This edition is reciprocally a means of success as well, for such skills are never short of innovation, a platform for which our university provides us in this journal. We would cherish one day to hand over the reins of such endeavors of our co-curricular magnitude as proud visionaries of the glorious feats performed by us students. The editorial board feels honored to be associated with such brilliant talents and congratulate all the contributors for their hard work. Thank you, and all the best for your future.

May a new journey of Poornima College of Engineering begin with magnificent fervor.

"Best Wishes"

Editorial Board

Aman Mudgal
II Year, EC

Prerna Mundra
II Year, CS

Jasmine Chhillar
I Year, CS

J.K. Sharma
I Year, CS

Sejal Jain
I Year, CS

॥ कॉलेज गान ॥

जय जय जय पूर्णिमा संस्थान,
मरुभूमि अभिनन्दन करती, अरावली देता मुस्कान ॥1॥ जय जय .....
उन्नत शिक्षा आदर्शों पर, आधारित जिसकी संरचना,
ज्ञानम् विना न किमपि साध्यम्, जिसका जीवन व्रत महान् ॥2॥ जय जय .....
युवा शिल्पी रहते रचनारत, यन्त्रा कला कौशल अपनाकर,
विद्युत, सूचना, संगणक से, अंतरिक्ष तक भरें उडान ॥3॥ जय जय .....
मानवता से करें प्रकाशित, ज्ञानदीप की लौ जलाकर,
तारागण सम सदा चमकते, जनमानस का करे कल्याण ॥4॥ जय जय .....
करें वन्दना, सरस्वती माँ की, पूर्ण हो मन की अभिलाषा,
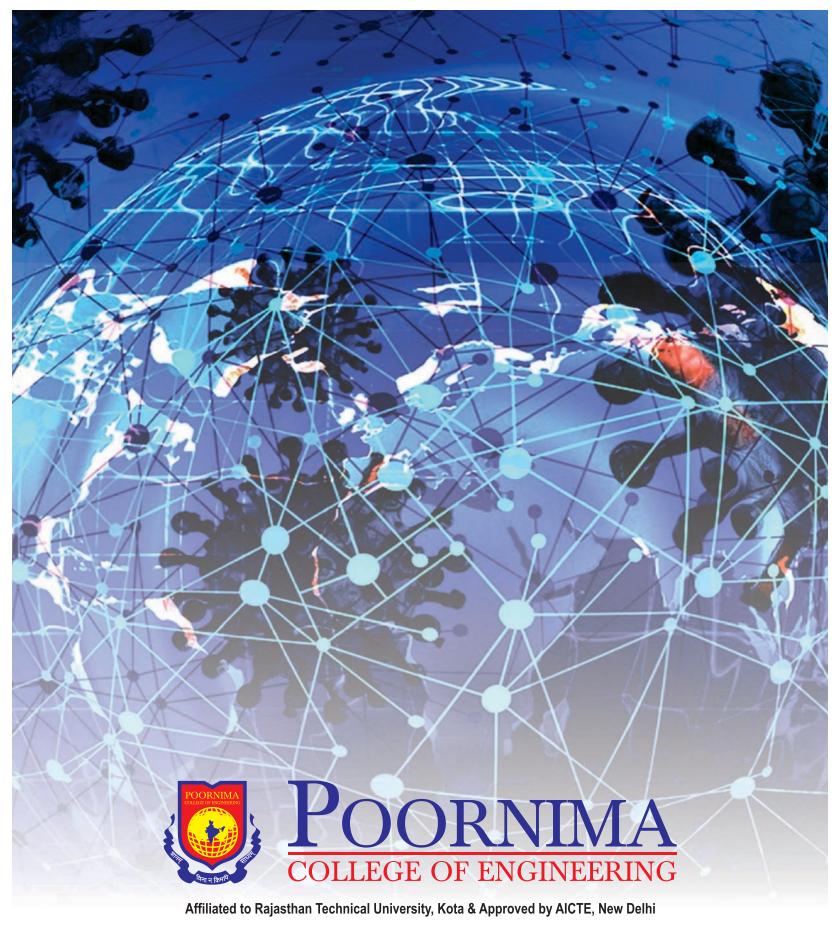सृजन हित दृढ़ नित परिश्रम, ध्येय राष्ट्र का नव निर्माण ॥5॥ जय जय .....

POORNIMA

COLLEGE OF ENGINEERING

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